

- Ecoregions
- ACEC
- Wildlife Allocation
- DRECP Boundary
- Legislatively & Legally Protected Areas

DRECP Ecoregions-South Mojave-Amboy



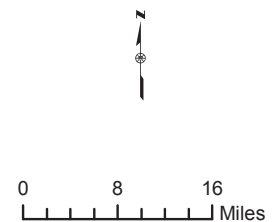
ACECs



9/14/2015

Draft Map Boundaries Subject to Change

1025



South Mojave-Amboy Subregion ACEC Units

Unit Name	Map #	See Here for Special Unit Management Plan
Amboy Crater National Natural Landmark	5	Page 1027
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Bristol Mountains	16	Page 1036
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Cady Mountains Wilderness Study Area	18	Page 1047
Castle Mountain	23	Page 1054
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Manix Paleontological Area	65	Page 1064
Marble Mountain Fossil Bed	67	Page 1074
Mojave Fringe-toed Lizard	74	Page 1084
Ord-Rodman	84	Pinto Lucerne Valley and Eastern Slopes Subregion
Patton Military Camps	91	Colorado Desert Subregion
Pinto Mountains	94	Pinto Lucerne Valley and Eastern Slopes Subregion
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Amboy Crater National Natural Landscape

National Conservation Lands Ecoregion: South Mojave-Amboy

Description/Location: Located on the Northwest end of the Cadiz Valley within Eastern San Bernardino County 2.5 miles west of the community of Amboy. The Cinder cone is located at the intersection of Amboy Road and Historic Route 66/National Trails Highway.

Nationally Significant Values:

Amboy Crater was designated a National Natural Landmark in 1973, Amboy Crater was recognized for its highly visible dominance throughout the surrounding Cadiz Valley landscape and its unique geological significance.

Standing alone in the desert, this relatively young cinder cone last erupted approximately 10,000 years ago. In the latter stages of its eruption, the cone breached one side and extensive lava flows spread out for a considerable distance in all directions. The majority of cinder cones throughout the region are solid mass of cinders and lava rock lacking any crater. Amboy Crater is of national significant because of the presence of a flat crater floor with four coaxial nested cones.

Ecological: Due to the young age of the cinder cone and the lack of mature soil, plant life is limited, many small mammals and reptiles can be found in small pockets of sand captured within the lava flow. The area not only presents an excellent opportunity for geological studies but also the study of desert flora and fauna on a volcanic landscape and is highly valued by educational systems within California

Cultural: This landmark has been used for thousands of years by Native American tribes, and hundreds of years by Spanish Explorers and early Anglo-American traders, to travel across the Mojave Desert.

Scientific: Amboy Crater is located in the Barstow-Bristol trough, a conspicuous west-northwest trending physiographic feature which straddles the boundary between the Mojave and Sonoran tectonic blocks.

Special Designations/Management Plan/Date: ACEC Plan No. 87, 1989

Relevance and Importance Criteria: This area was designated to protect an Unusual Plant Assemblage, the largest know creosote rings on public lands administered by the federal government are situated within the ACEC. The rings of creosote within the ACEC area have recently been identified as the world's oldest living plant. The uniqueness, high research value, and susceptibility to damage from intensive recreation uses are the principle reasons for its designation.

Recreation Area: This unit overlaps with National Trails SRMA.

Overarching Goals: Protect significant cultural and natural resources found within the ACEC while providing for compatible recreation and interpretive opportunities.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best

supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

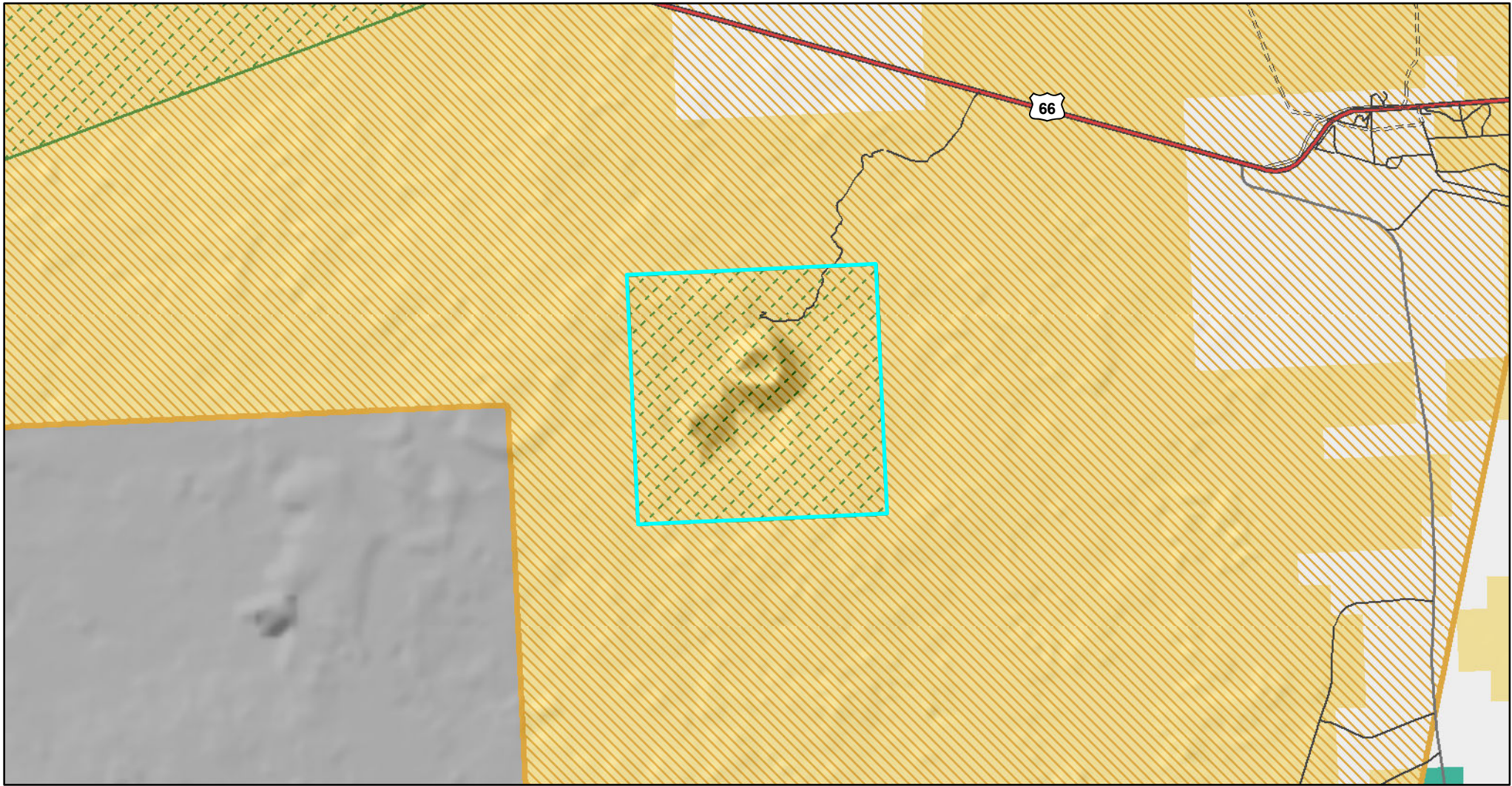
Designation and Acreage by Alternative:

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	600	0	NA
Preferred Alternative	640	640	0	1%
1	600	600	0	1%
2	600	600	0	1%
3	600	600	0	1%
4	600	600	0	1%

*** Acreage values are for BLM managed lands**

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
Prescription: Restore north face of cinder cone	Soil, water, air
Protect characteristic volcanic features as part of cultural landscape.	Cultural Resources
Maintain characteristic landscape. Manage visual resources consistent with the adopted VRM Class.	Visual Resources
<p>Goal: Provide for the use of a designated system of Ground Transportation Linear Features to ensure access to the public for appropriate uses.</p> <p>Action:</p> <ul style="list-style-type: none"> Designated routes will be signed and managed in accordance to the local Travel Management Plan, as funding allows. Un-authorized routes will be rehabilitated/restored as funding allows. 	Trails and Travel Management

<ul style="list-style-type: none"> • Un-authorized routes will be rehabilitated/restored as funding allows. • Provide routine maintenance of the designated roads and trails system including installation of routine signs, markers, culverts, ditches, water bars, barriers, gates, or cattle guards on/or adjacent to system roads and trails, as funding allows. 	
<p>Refer to the National Trails Special Recreation Management Area (SRMA) write-up for detailed objectives, allocations, and management direction.</p> <p>Goal: Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities and to ensure public health and safety;</p> <p>Action:</p> <ul style="list-style-type: none"> • Provide interpretive, directional, and regulatory signs and materials as necessary to provide public information and reduce impacts from recreational use. • Allow stopping and parking within 25 feet, and camping within 100 feet of designated routes. 	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edge holdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way
<p>No Renewable Energy Development</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Prescription: Withdraw entire area from mineral entry under the Mining Law of 1872, based on previous plan recommendations.</p>	<p>Locatable Minerals</p> <p>Mineral Materials</p> <p>Non-Energy Leasables</p>




Conservation Footprint

 National Conservation Lands

 DRECP Boundary

ACEC Boundaries


 CDCA Boundary

 1% Disturbance Cap

Renewable Footprint

 Variance Process Lands

Land Status

 Bureau of Land Management

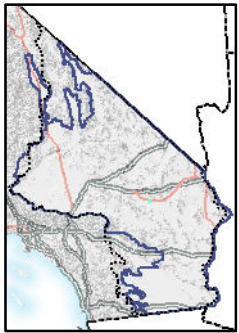
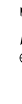
 Department of Defense

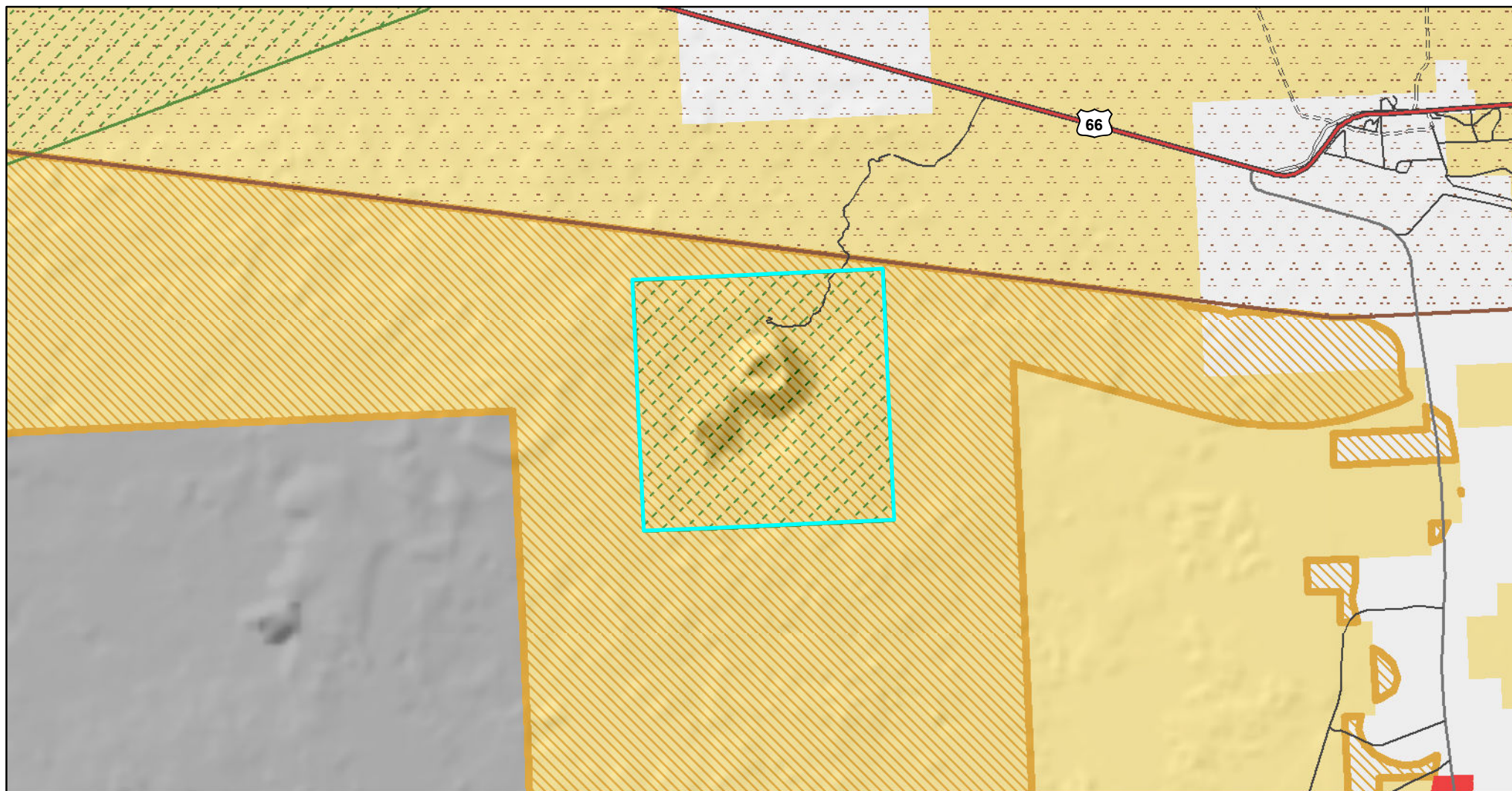
Amboy Crater

6/24/2015

Draft Map Boundaries Subject to Change

0 0.5 1 Miles





Conservation Footprint

National Conservation Lands

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Variance Lands

Land Status

Bureau of Land Management

Department of Defense

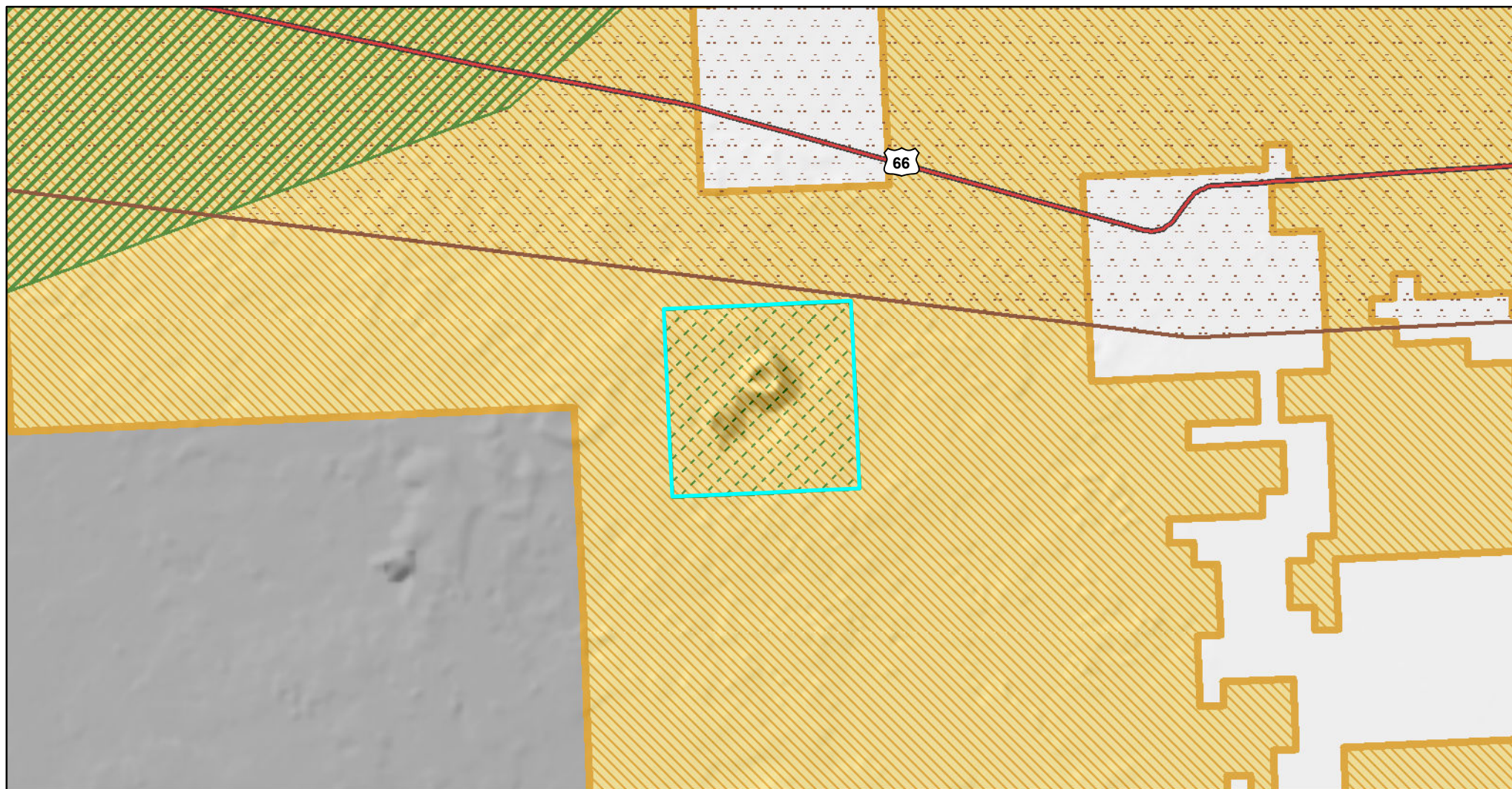
0 0.5 1 Miles

Amboy Crater Alternative 1

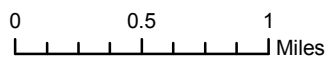
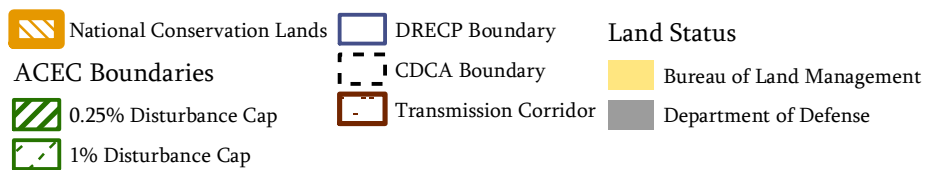
8/25/2015

Draft Map Boundaries Subject to Change





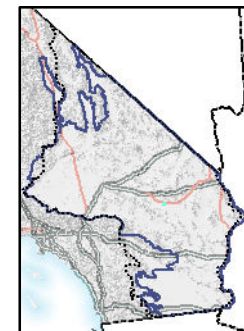
Conservation Footprint

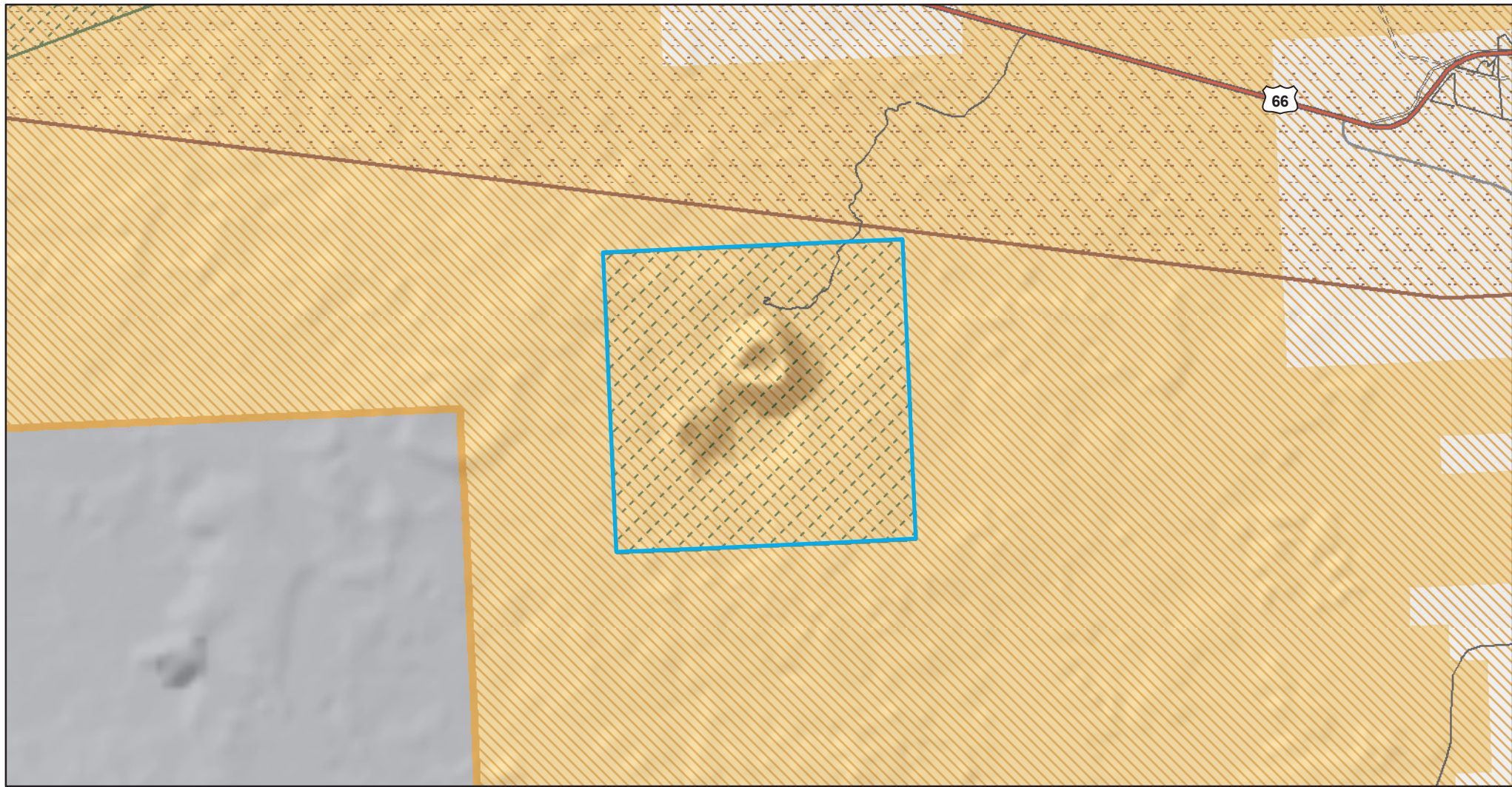


Amboy Crater Alternative 2








8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

- | | | |
|--|---|---|
|  National Conservation Lands |  DRECP Boundary | Land Status |
| ACEC Boundaries |  CDCA Boundary |  Bureau of Land Management |
|  1% Disturbance Cap |  Transmission Corridor |  Department of Defense |

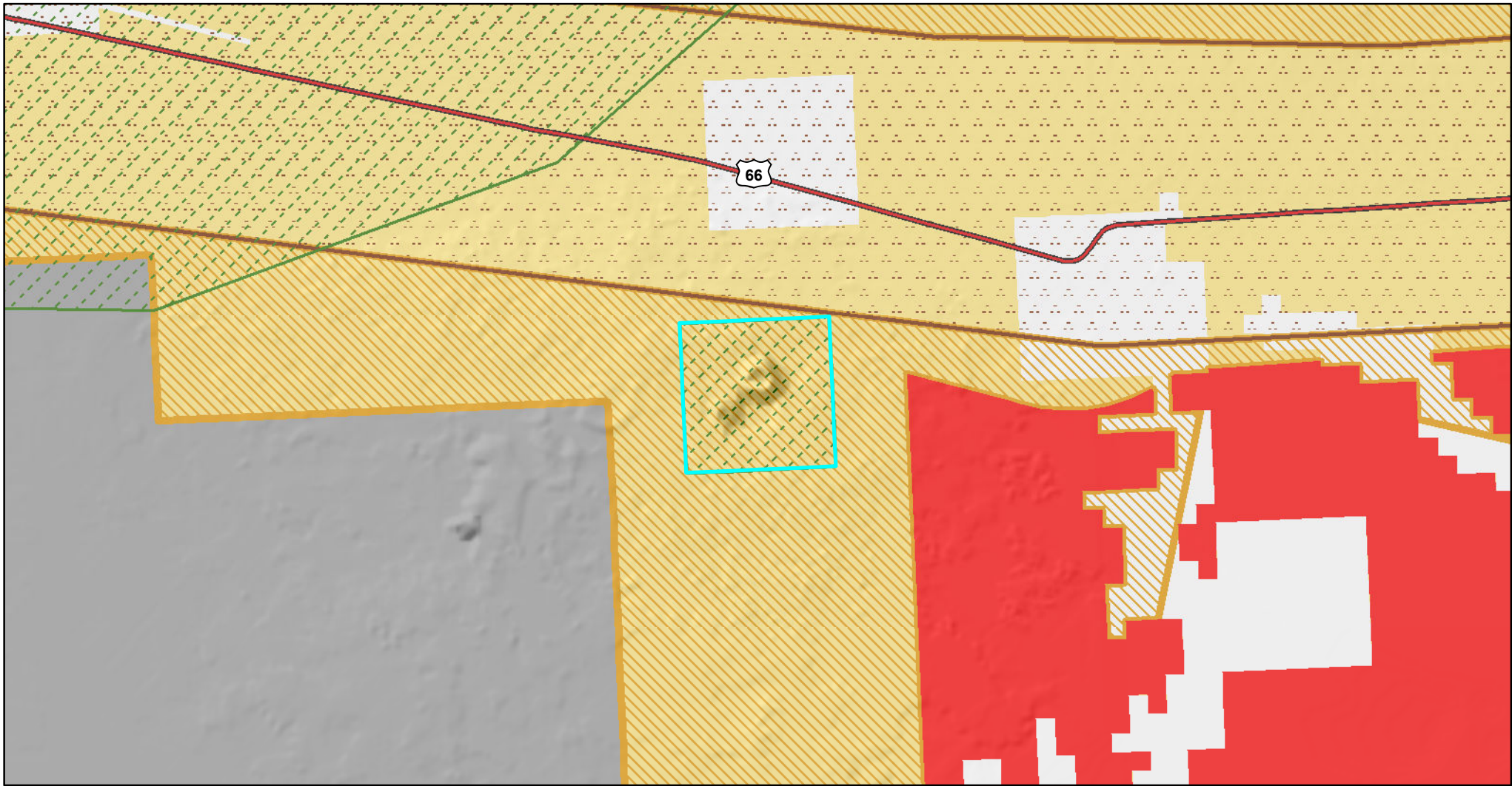
Amboy Crater Alternative 3

8/26/2015










Draft Map Boundaries Subject to Change

0 0.25 0.5
Miles





Conservation Footprint

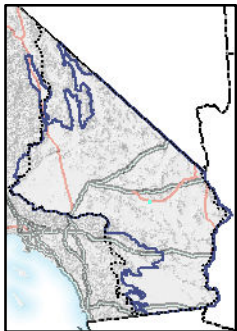
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|---|---|---|
|  National Conservation Lands |  DRECP Boundary | Land Status |
|  ACEC Boundaries |  CDCA Boundary |  Bureau of Land Management |
|  1% Disturbance Cap |  Transmission Corridor |  Department of Defense |
| Renewable Footprint | | |
|  Variance Lands | | |

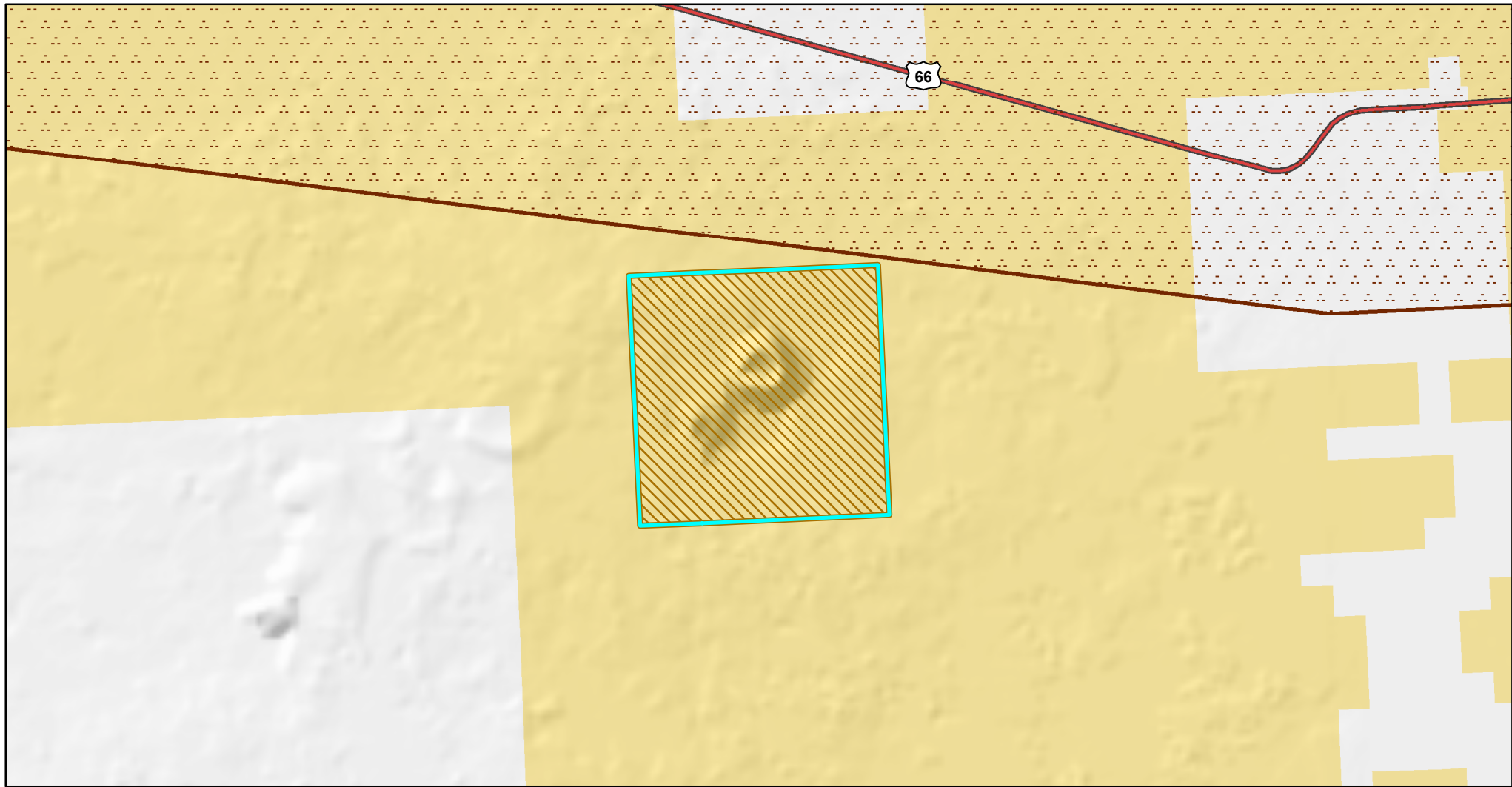
0 0.5 1 Miles

Amboy Crater Alternative 4






8/27/2015

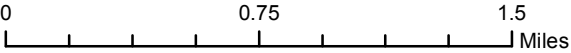
Draft Map Boundaries Subject to Change





Conservation Footprint

- | | |
|--|---|
|  Existing ACEC | Land Status |
|  Transmission Corridor |  Bureau of Land Management |
|  CDCA Boundary | |
|  DRECP Boundary | |

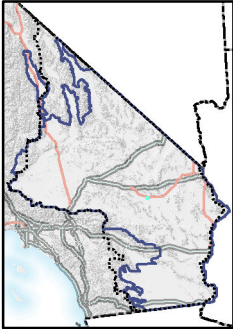


Amboy Crater

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Bristol Mountains

National Conservation Lands Ecoregion: Mojave and Silurian Valley and South Mojave - Amboy

Description/Location: South of Interstate 40 and between the Mojave National Preserve and the Twentynine Palms Marine Base.

Nationally Significant Values:

Ecological: The proposed unit's lands link the Cady Mountain Wilderness Study Area and the Bristol Mountains, Kelso Dunes, Trilobite, and Clipper Mountains wilderness areas with Mojave National Preserve. The Bristol Expansion also connects with the proposed Pisgah Expansion ACEC on the west and the Chemehuevi Expansion on the east. This creates a contiguous conservation area which encompasses a transition zone between both Mojave and Sonoran/Colorado Desert ecosystems. The area has some of the best tortoise habitat in the southeast Mojave Desert. The transitional ecosystem attracts a variety of birds including sensitive species such as prairie falcons, gray vireo, Bendire's thrasher, and burrowing owls. Specialized habitats include dunes for Mojave fringe-toed lizards and roosting habitat for several bat species. Numerous rare and sensitive plants inhabit the area including Emory's crucifixion thorn, white margined penstemon, scrub lotus, rosy two-toned beardtongue and white-margined beardtongue. This area has critical wildlife movement corridors that maintain connections for regional metapopulations. These lands are within the proposed Mojave Trails National Monument.

Cultural: Because this area spans a transition between the lower Sonoran Desert environments to the south and the higher Mojave Desert to the north, it includes prehistoric trails and evidence of trading, habitation, and migration of various Native American groups. There are numerous remnants of early 20th century mining and transportation efforts including the ghost towns of Stedman, Ragtown, Ludlow, and the Tonopah and Tidewater Railroad grade. Over 20 miles of historic Route 66 is within the Bristol expansion area.

Scientific: The area has high scientific values due to the transition between desert ecosystems and the associated adaptations of plants and animals. The Sweeny Granite Mountains Desert Research Center (University of California) located nearby draws students and researchers from throughout the world to study the natural and cultural environment of this region.

Special Designations/Management Plan/Date: No previous special designation

Relevance and Importance Criteria: Relevant biological resources including wildlife and plant assemblages. The area is high value for desert tortoise habitat and connectivity between the Ord-Rodman and Chemehuevi ACECs. Additionally, the area is critically important for bighorn sheep, Mojave fringed-toed lizards, burrowing owl, and several bat species. It also has numerous rare and sensitive plants such as Emory's crucifixion thorn and white margined penstemon, have major populations in the valley, making the area regionally significant. Some areas within the ACEC provide a combination of meteorological, geological, hydrological, topographical features that have been identified as important climate refugia (slow/minimized climate changes) for wildlife species.

Grazing Allotment: This unit overlaps with Cady Mountain Allotment.

Lands with Wilderness Characteristics: This unit contains 35,602 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

Recreation Area: This unit overlaps with Lava Hills ERMA and National Trails SRMA.

Overarching Goals: Protect biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public uses.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e., management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

Designation and Acreage by Alternative:

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	195,366	214,187	0	Varies 0.5% - 1%
1	75,600	218,000	0	1%
2	192,700	192,700	0	0.25%
3	126,500	218,300	0	1%
4	92,900	190,300	0	1%

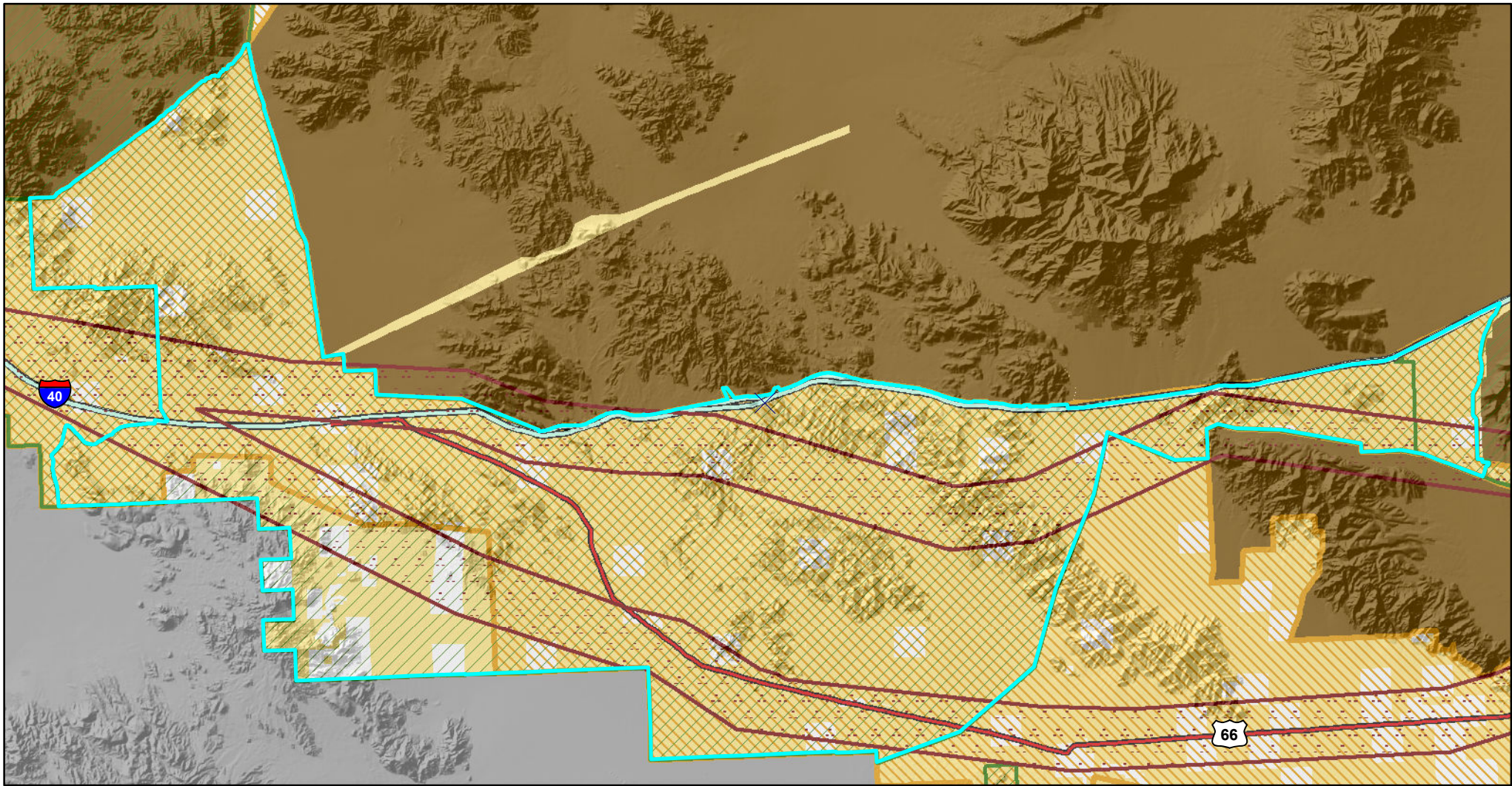
* Acreage values are for BLM managed lands

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
Objective: Retain existing flow regime and volume Action: Secure Federal Reserve Water Right	Soil, water, air
Objective: Maintain or Improve condition of vegetation Action: Remove invasive plants, rehabilitate/revegetated disturbed areas.	Vegetation (incl. special









Action: Protect populations of special status plants	status species)
<p>Special Status Species: Nelson Desert Bighorn Sheep Action: Evaluate water sources and determine if artificial water sources should be developed.</p> <p>Special Status Species: Desert Tortoise Action: Maintain viable populations and connections between other ACECs and critical habitat.</p> <p>Special Status Species: Mojave fringed-toed lizard Action: Maintain viable populations; ensure connectivity between occupied habitat Protect habitat and source of sand.</p> <p>Special Status Species: Burrowing Owl (in Bristol Expansion Area)</p>	Fish and Wildlife (incl. special status species)
<p>Objective 1: Protect biodiversity and manage for resilience (protect climate refugia and provide for migration corridors).</p> <p>Management Action 1: Prioritize habitat enhancement in areas expected to provide for the greatest level of resiliency (good response or rehabilitation results after significant disturbance such as fire) and or resistance to change (e.g. climate refugia).</p> <p>Management Action 2: Consider actions that enhance the primary productivity of climate refugia with native species restoration, reduced soil surface disturbance, and habitat infrastructure to increase carrying capacity of refugia (e.g., wetland, oasis).</p> <p>Management Action 3: Maintain migration corridor integrity by minimizing obstructions (fences, roads), disturbances (limiting access to water and shade during peak temperatures) and habitat fragmentation.</p> <p>Objective 2: Maintain and or enhance key ecosystem processes (e.g., carbon sequestration, water residence time) and prepare and respond to significant disturbances to the environment (e.g. floods).</p> <p>Management Action 1: Develop proactive and responsive management actions for potentially dangerous and damaging disturbances to the environment, which are exacerbated by climate change (e.g. wildfire, flash floods, etc.).</p> <p>Management Action 2: Minimize carbon sequestration losses from management activities by reducing impacts to vegetation, soil structure and soil biota.</p> <p>Management Action 3: Leverage disturbance events and other landscape changes, when possible, as opportunities to assess climate adaptation actions. For example, revegetation objectives for projected climate scenarios benefiting</p>	Climate Change and Adaptation

multiple ecosystem services (habitat and carbon sequestration objectives).	
<p>Goal: Provide for the use of a designated system of Ground Transportation Linear Features to ensure access to the public for appropriate uses.</p> <p>Action:</p> <ul style="list-style-type: none"> • All designated open roads and trails will be signed and managed in accordance to the local Travel Management Plan. • Restore all undesignated roads or trails. • Provide routine maintenance of the designated roads and trails system including installation of routine signs, markers, culverts, ditches, water bars, barriers, gates, or cattle guards on/or adjacent to system roads and trails. 	Trails and Travel Management
<p>Refer to the National Trails Special Recreation Management Area (SRMA) and the Lava Hills Extensive Recreation Management Area (ERMA) write-up for detailed objectives, allocations, and management direction.</p> <p>Goal: Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities and to ensure public health and safety;</p> <p>Action:</p> <ul style="list-style-type: none"> • Provide interpretive, directional, and regulatory signs and materials as necessary to provide public information and reduce impacts from recreational use. • Allow stopping and parking within 25 feet, and camping within 100 feet of designated routes. • Manage recreational shooting consistent with state and local laws. • Allow SRP events which do not negatively affect ACEC Relevance and Importance Values. • . • Area would be managed within the with Lava Hills ERMA and National Trails SRMA 	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action 1: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they</p>	Rights of Way

are compatible with the ACEC and its management goals. Management Action 2: Wildlife connectivity cannot be impaired.	
Closed to renewable energy development. Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.	Renewable Energy
Open to mineral entry w/ stipulations Unavailable to mineral material sales or limited to sales with mitigation/compensation to result in net benefit to ACEC/NLCS values Unsuitable for leasing or available with NSO or mitigated to protect values.	Locatable Minerals Mineral Materials Non-Energy Leasables
No Action Alternative: Allowable Uses: Existing allotment is authorized All Action Alternatives: The Cady Mountain grazing allotment is scheduled to be permanently closed to livestock grazing through the DRECP process.	Livestock grazing



Conservation Footprint

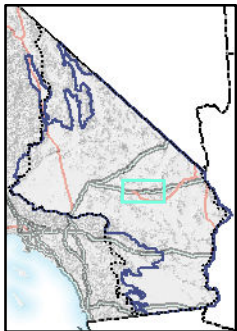
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|---|---|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status |
|  National Conservation Lands |  CDCA Boundary |  Bureau of Land Management |
|  Proposed ACEC |  Transmission Corridor |  Department of Defense |

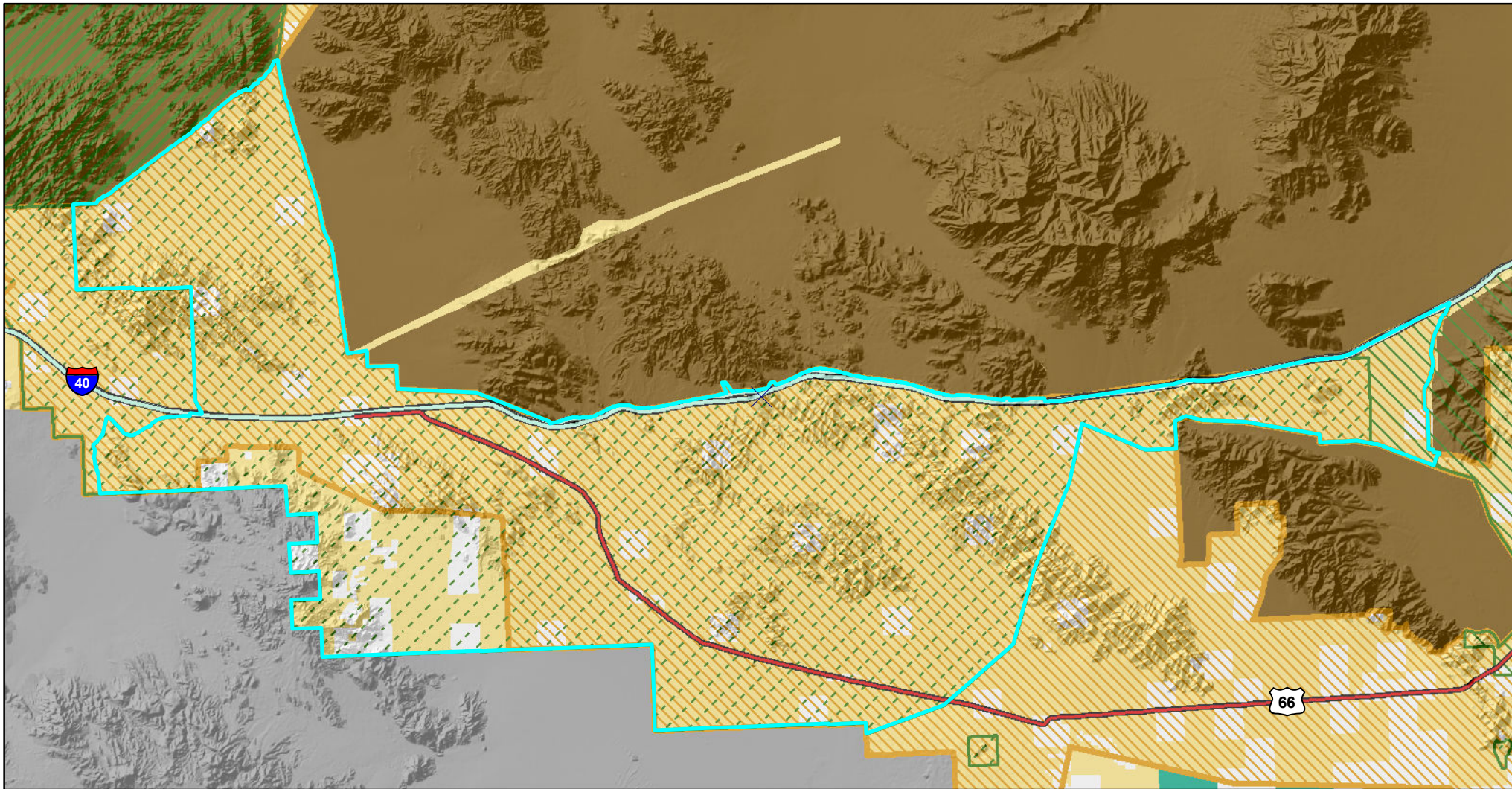
Bristol Mountains

8/10/2015

Draft Map Boundaries Subject to Change


0 4 8 Miles






Conservation Footprint


 Legislatively & Legally Protected Areas

 National Conservation Lands

ACEC Boundaries

 0.25% Disturbance Cap

 0.5% Disturbance Cap

 1% Disturbance Cap

 DRECP Boundary


 CDCA Boundary

Renewable Footprint

 Variance Process Lands

Land Status

 Bureau of Land Management

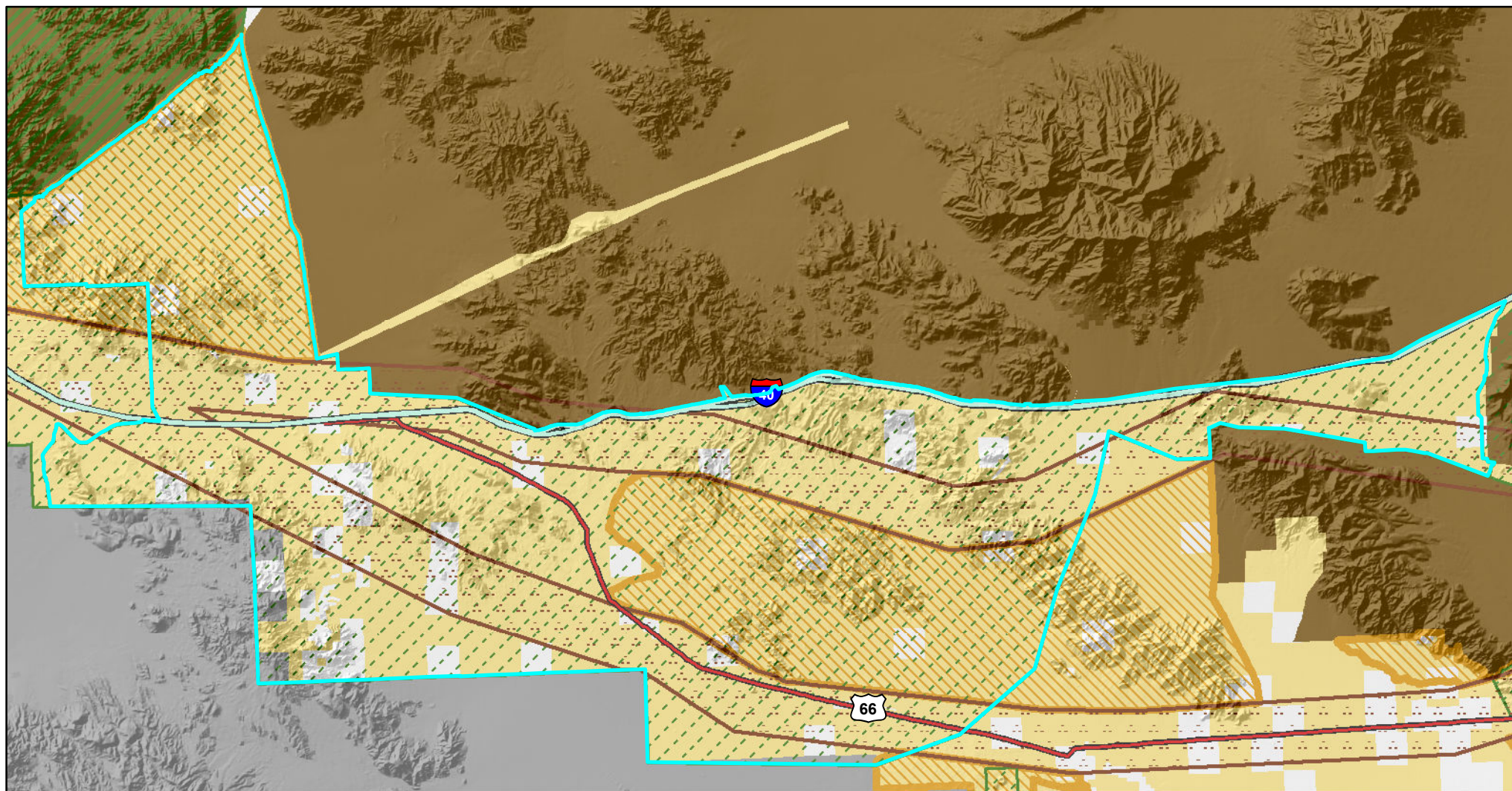
 Department of Defense

Bristol Mountains

8/10/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands

ACEC Boundaries

- 0.25% Disturbance Cap
- 1% Disturbance Cap

0 2 4
Miles

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor

Renewable Footprint

- Variance Lands

Land Status

- Bureau of Land Management
- Department of Defense

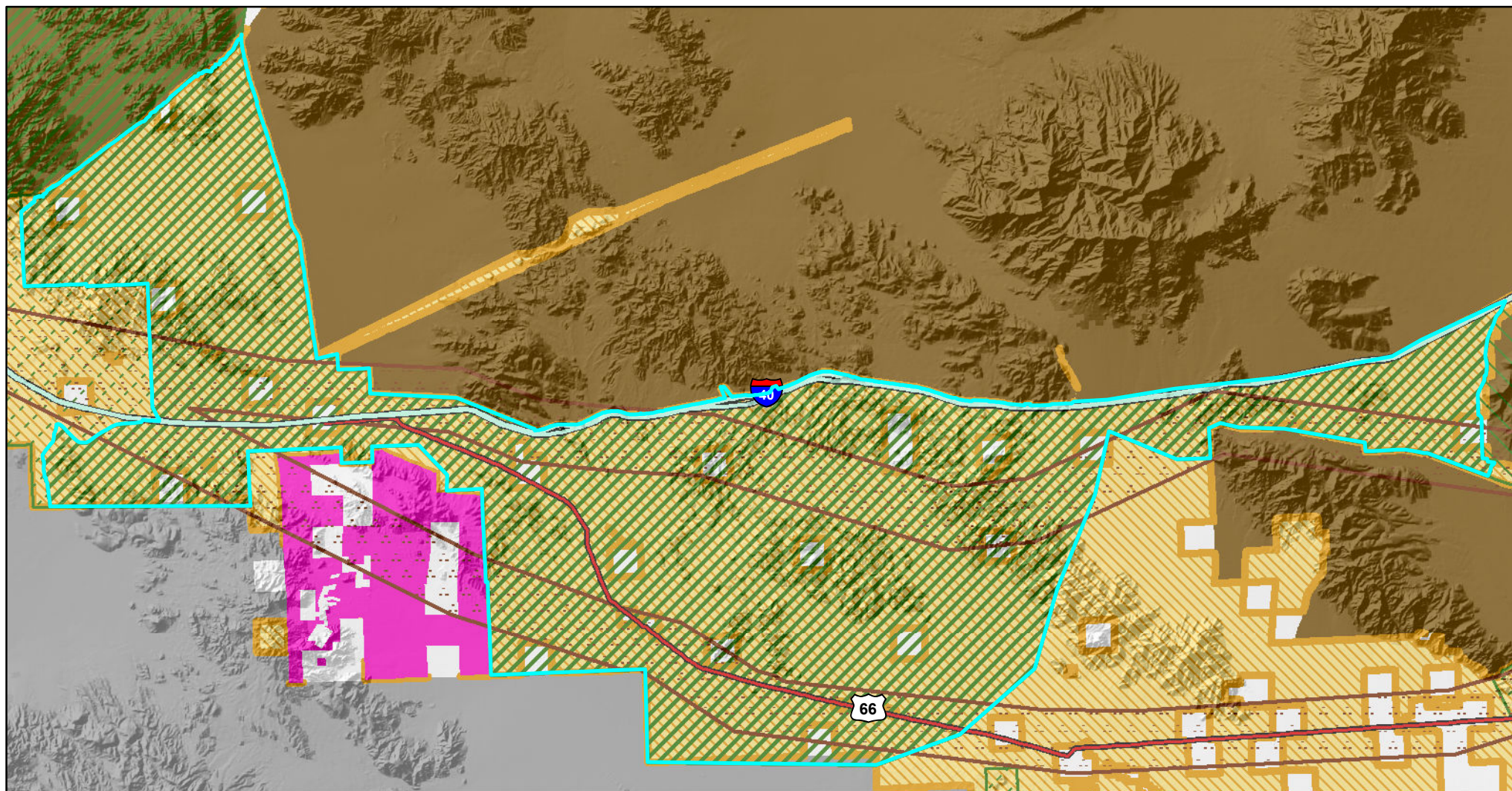
Bristol Mountains

Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands

ACEC Boundaries

- 0.25% Disturbance Cap
- 0.5% Disturbance Cap
- 1% Disturbance Cap

0 4 8 Miles

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor

Renewable Footprint

- Development Focus Areas

Land Status

- Bureau of Land Management
- Department of Defense

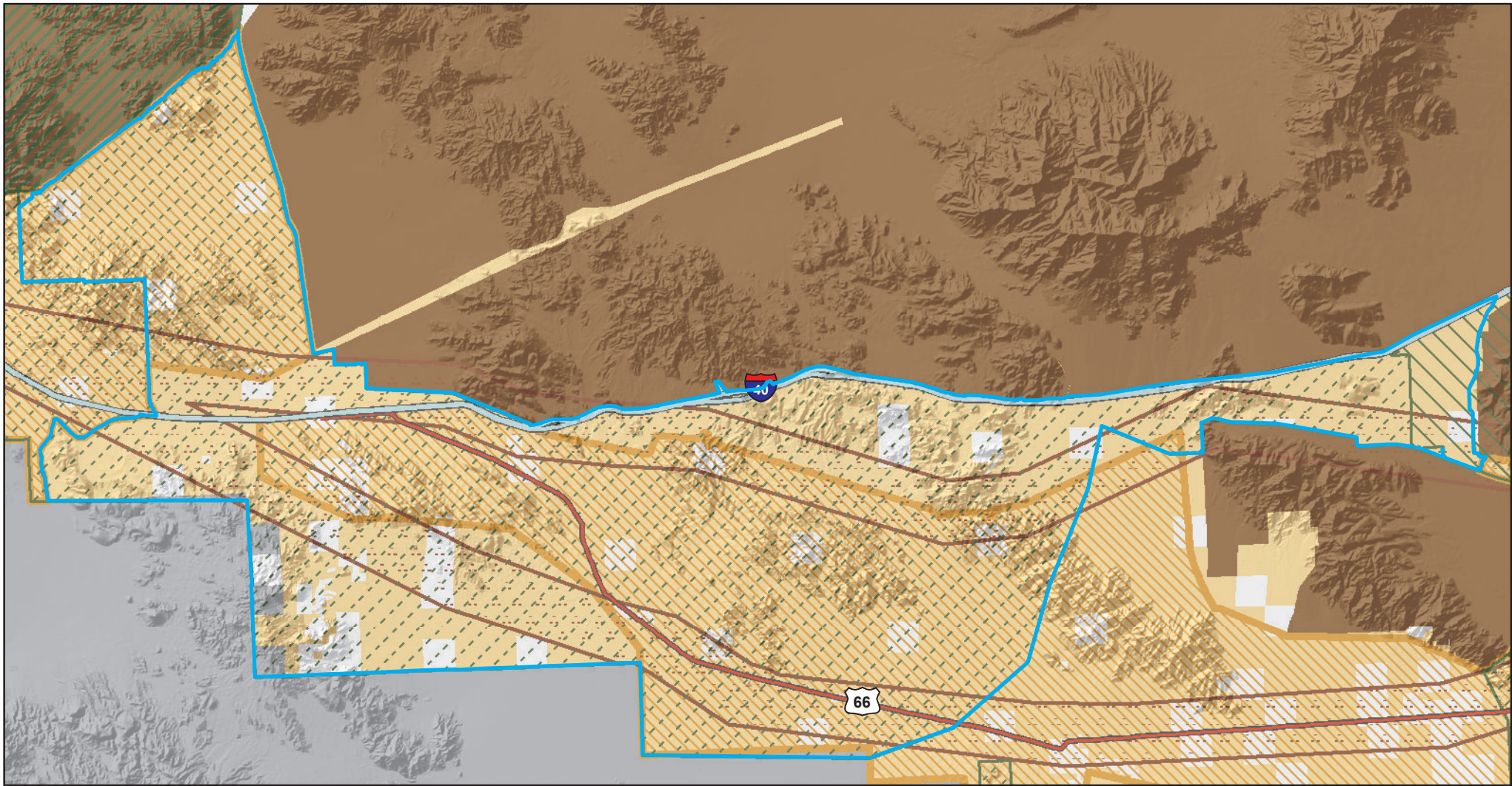
Bristol Mountains

Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

 Legislatively & Legally Protected Areas

 National Conservation Lands

ACEC Boundaries

 0.25% Disturbance Cap


 0.5% Disturbance Cap

 1% Disturbance Cap

0 2 4
Miles

 DRECP Boundary

 CDCA Boundary

 Transmission Corridor

Land Status

 Bureau of Land Management

 Department of Defense

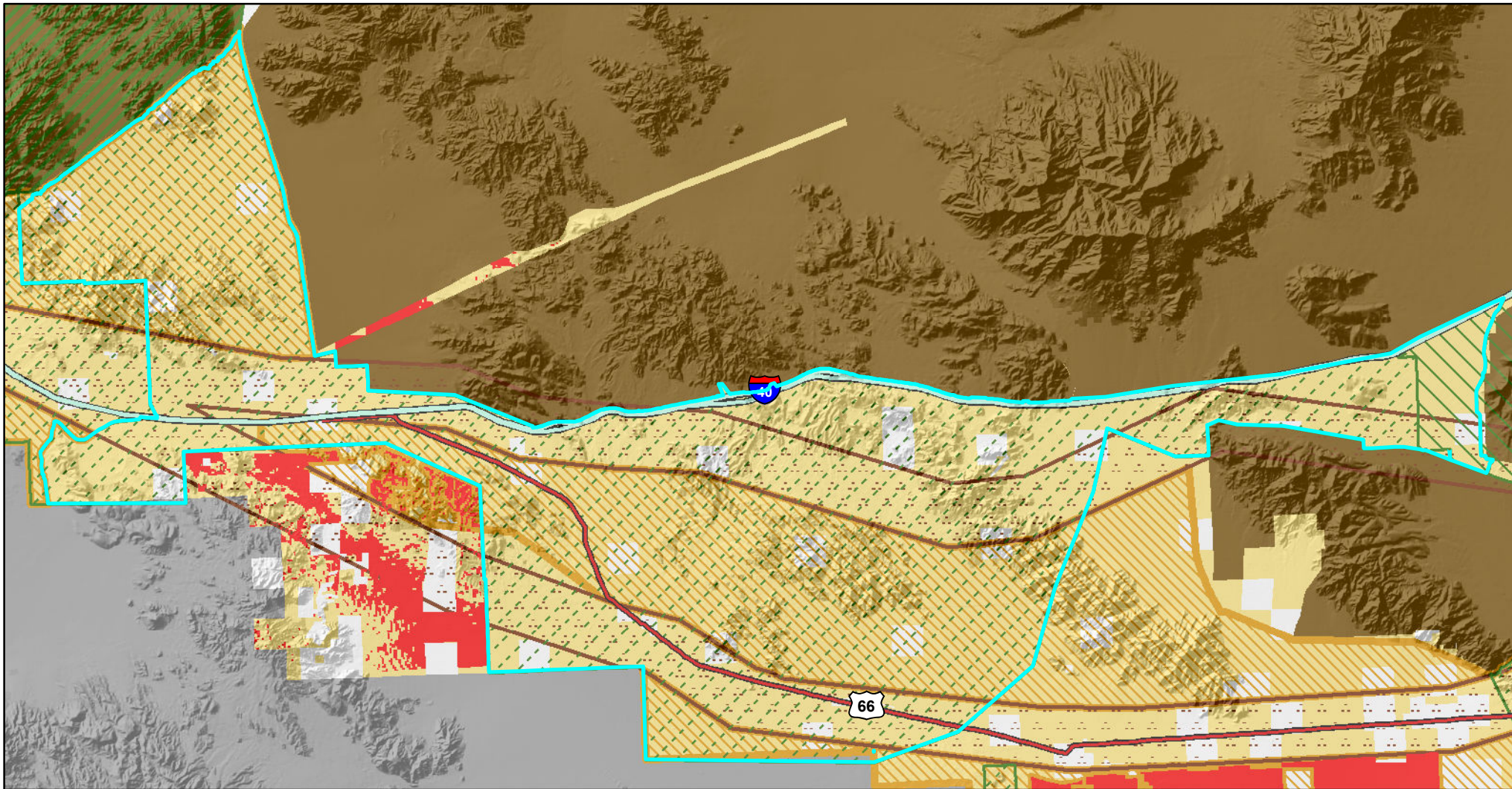
Bristol Mountains

Alternative 3



8/26/2015

Draft Map Boundaries Subject to Change











Conservation Footprint

-  National Conservation Lands
-  Legislatively & Legally Protected Areas


ACEC Boundaries

-  0.25% Disturbance Cap
-  0.5% Disturbance Cap
-  1% Disturbance Cap



0 2 4
Miles

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

Renewable Footprint

-  Variance Lands

Land Status

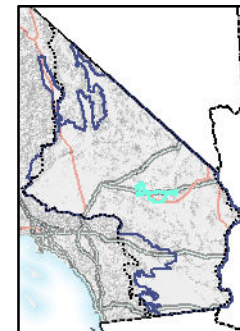
-  Bureau of Land Management
-  Department of Defense

Bristol Mountains

Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change



Cady Mountains Wilderness Study Area

National Conservation Lands Ecoregion: Mojave and Silurian Valley; South Mojave-Amboy

Description/Location: Located between Interstate 15 and Interstate 40 approximately 20 miles southwest of Baker, California in San Bernardino County. The east boundary of the WSA is adjacent to the Kelso Dunes Wilderness and the Mojave National Preserve.

Nationally Significant Values: Wilderness Study Areas are automatically included in NCLS.

Special Designations/Management Plan/Date: WSA; Public Law 103-433; October 31, 1994

Relevance and Importance Criteria: The Unit provides regional habitat connection for bighorn sheep.

National Historic and Scenic Trails: This unit overlaps a portion of the Old Spanish Trail.

Recreation Area: This unit partially overlaps with the Afton Canyon SRMA and the Crucero Valley ERMA.

Grazing Allotment: This unit overlaps with the Cady Mountain Allotment. The Cady Mountain grazing allotment is scheduled to be permanently closed to livestock grazing through the DRECP process.

Lands with Wilderness Characteristics: This unit contains 292 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

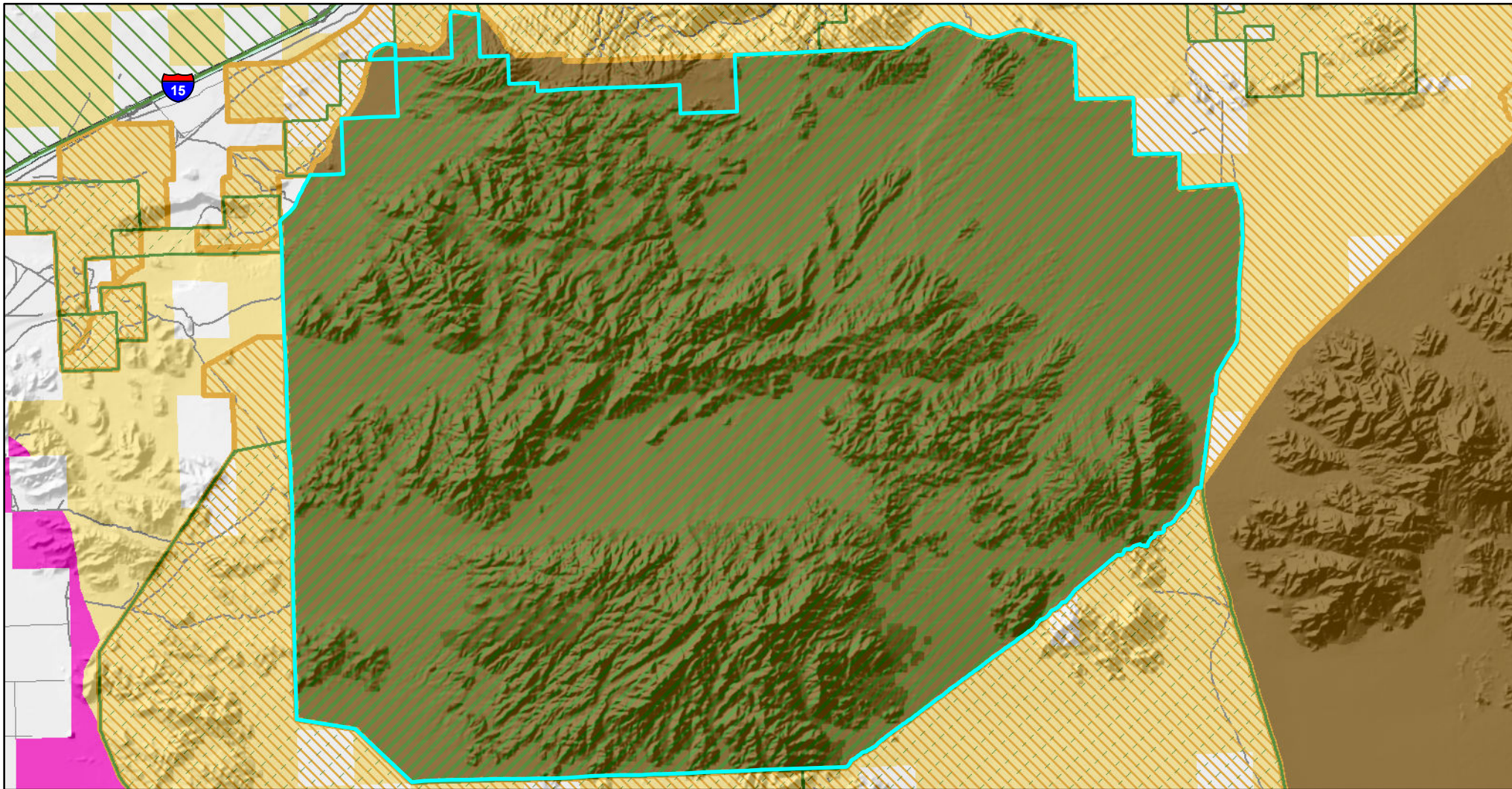
Overarching Goals: Provide for landscape connectivity while providing for compatible public uses.

There are no additional management prescriptions beyond those identified in the CMAs included in Volume II of the Proposed LUPA and Final EIS. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II.

Designation and Acreage by Alternative:

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	0	101,375	0	0.25%
1	0	101,375	0	0.25%
2	0	101,375	0	0.25%
3	0	101,375	0	0.25%
4	0	101,375	0	0.25%

* Acreage values are for BLM managed lands



Conservation Footprint

Legislatively & Legally Protected Areas

ACEC Boundaries

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

National Conservation Lands

0 2 4 Miles

DRECP Boundary

CDCA Boundary

Renewable Footprint

Development Focus Areas

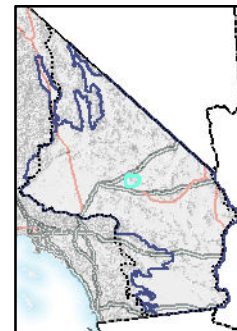
Land Status

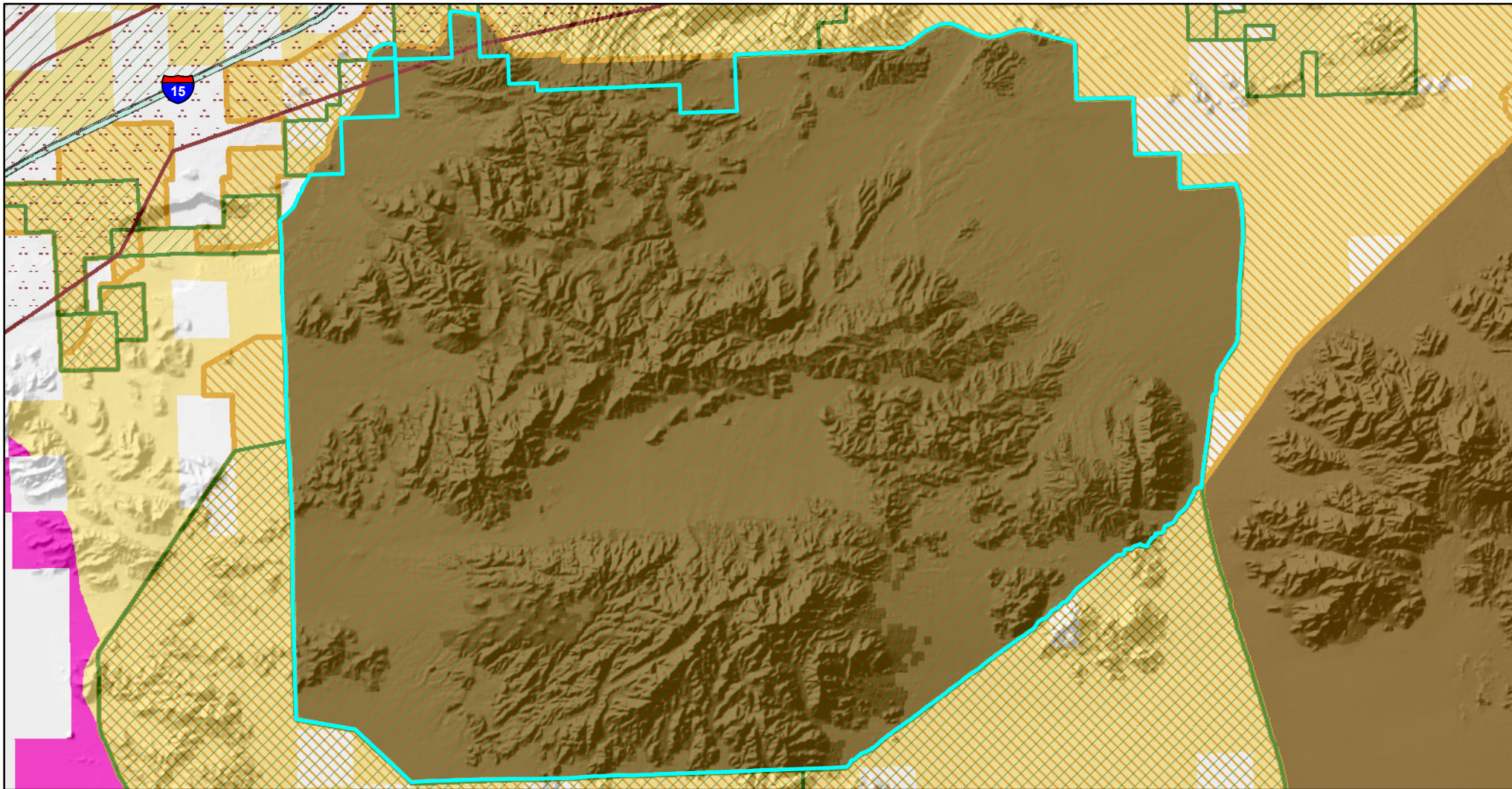
Bureau of Land Management

Cady Mountains WSA

6/23/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

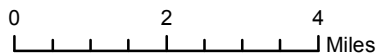
- DRECP Boundary
- CDCA Boundary
- Transmission Corridor

Renewable Footprint

- Development Focus Areas

Land Status

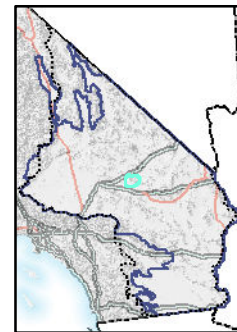
- Bureau of Land Management

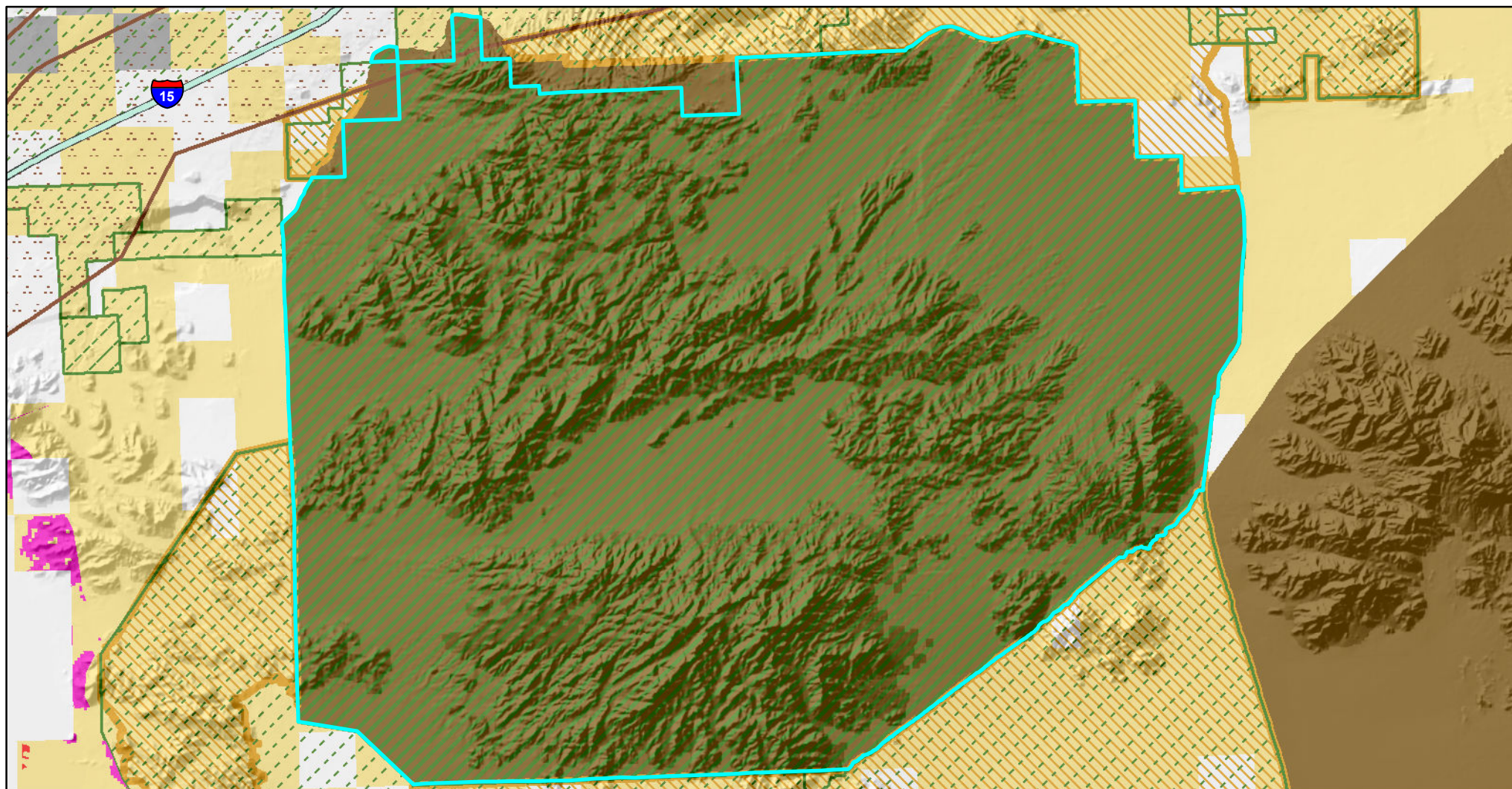


Cady Mountains WSA

7/14/2015

Draft Map Boundaries Subject to Change



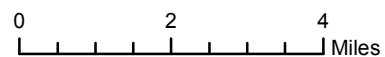


Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands

ACEC Boundaries

- 0.25% Disturbance Cap
- 1% Disturbance Cap



- DRECP Boundary
- CDCA Boundary
- Transmission Corridor

Renewable Footprint

- Development Focus Areas
- Variance Lands

Land Status

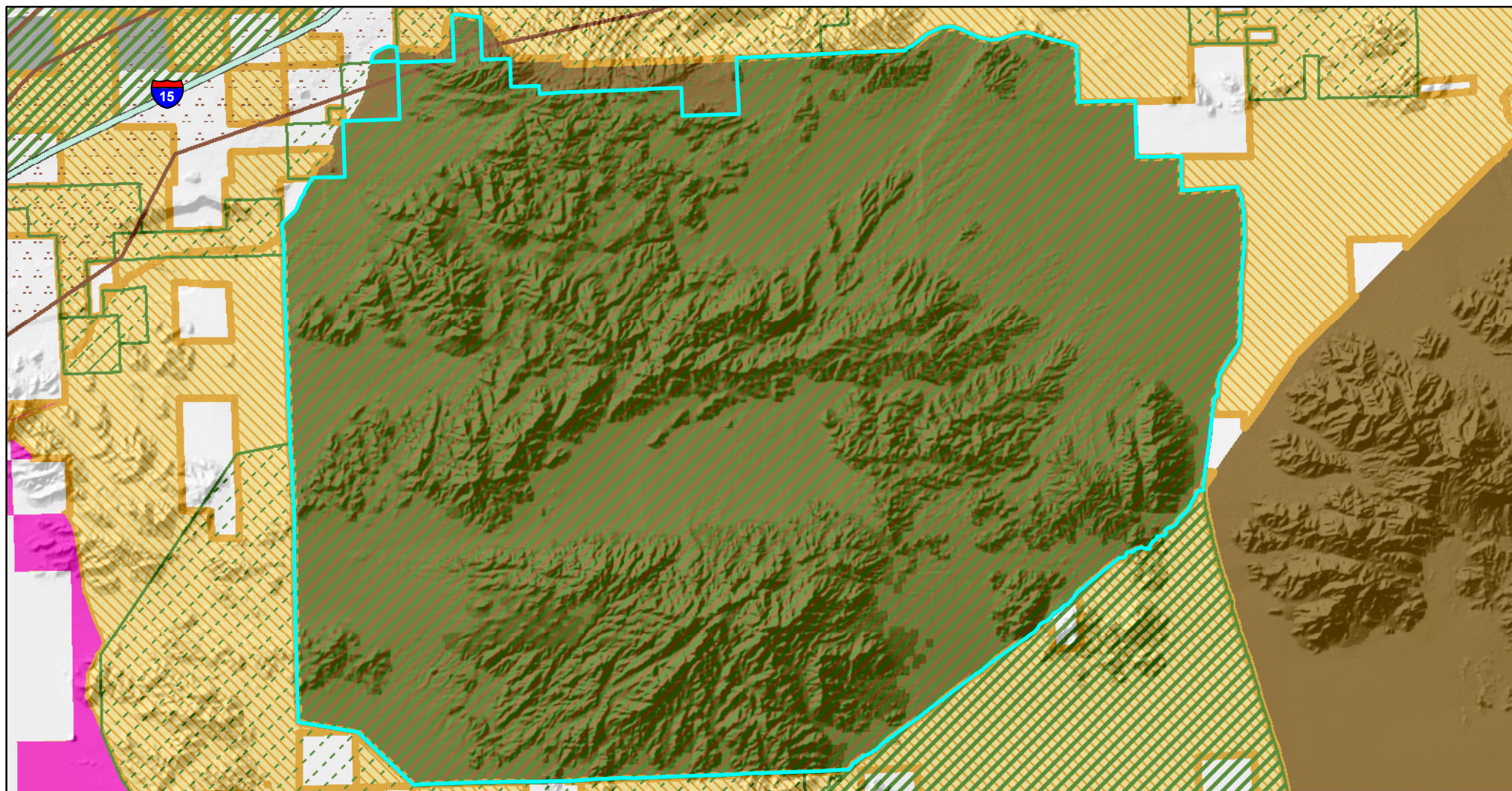
- Bureau of Land Management
- Department of Defense

Cady Mountains WSA Alternative 1



8/25/2015

Draft Map Boundaries Subject to Change










Conservation Footprint

-  Legislatively & Legally Protected Areas
-  National Conservation Lands

ACEC Boundaries



-  0.25% Disturbance Cap
-  1% Disturbance Cap

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

Renewable Footprint

-  Development Focus Areas

Land Status

-  Bureau of Land Management
-  Department of Defense

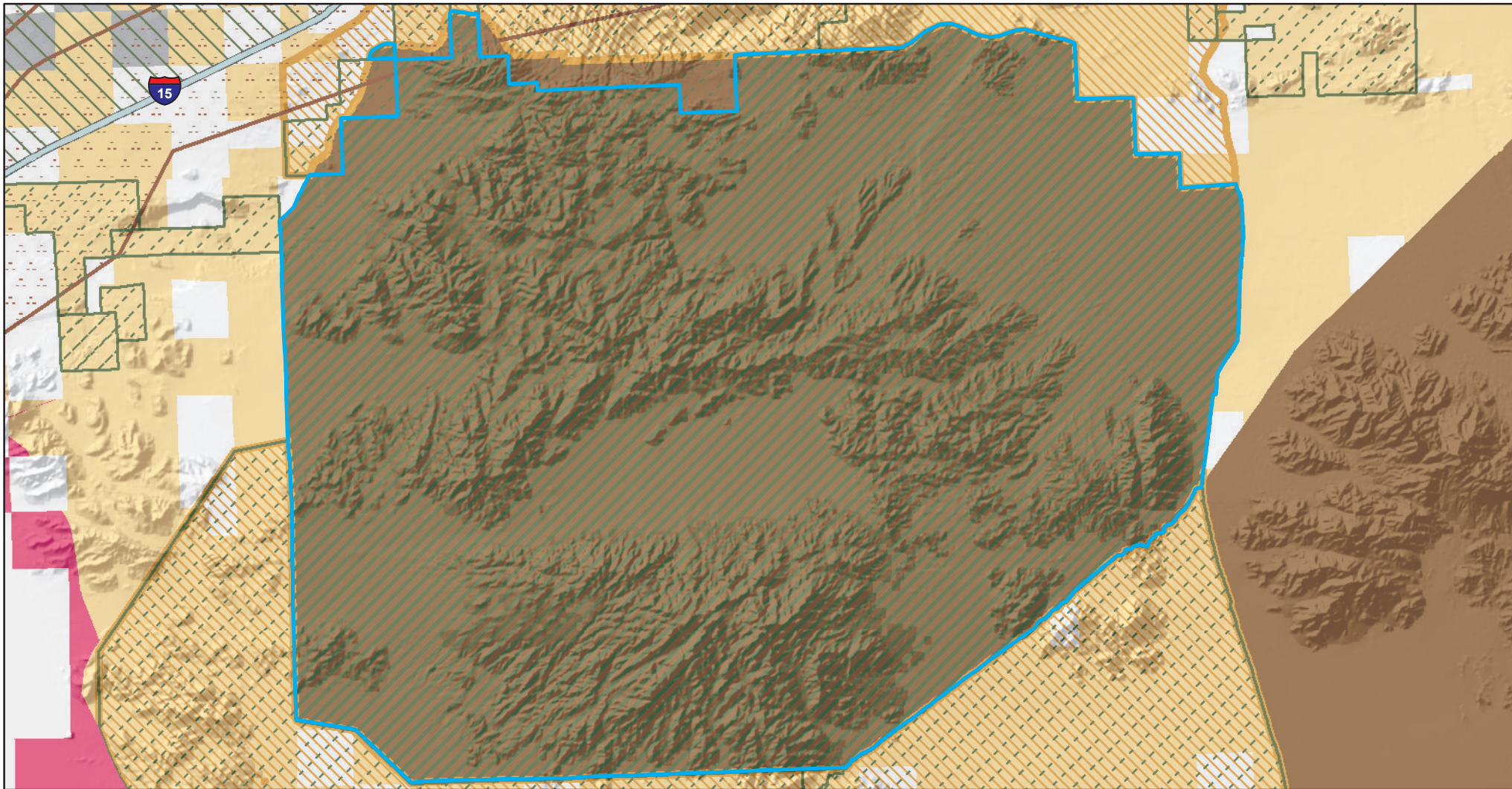
0 2 4 Miles

Cady Mountains WSA Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 2 4 Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Development Focus Areas

Land Status

Bureau of Land Management

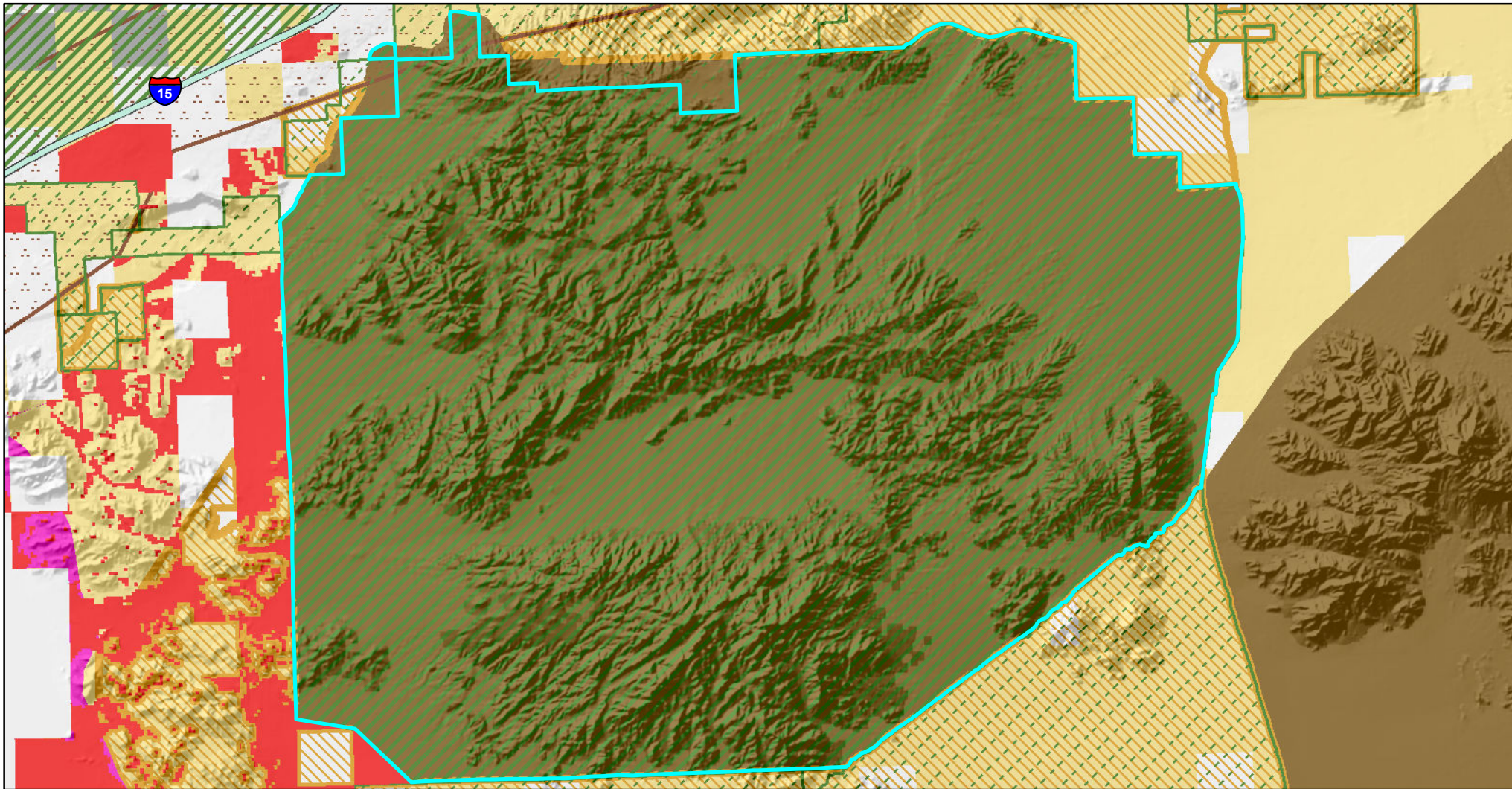
Department of Defense

Cady Mountains WSA Alternative 3

8/26/2015


Draft Map Boundaries Subject to Change







Conservation Footprint

 National Conservation Lands

 Legislatively & Legally Protected Areas


ACEC Boundaries

 0.25% Disturbance Cap

 1% Disturbance Cap


 DRECP Boundary

 CDCA Boundary

 Transmission Corridor


Renewable Footprint

 Development Focus Areas

 Variance Lands

Land Status

 Bureau of Land Management

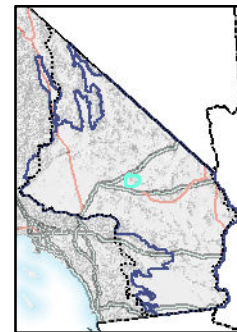
 Department of Defense

Cady Mountains WSA

Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change



0 1 2
Miles

Castle Mountains

National Conservation Lands Ecoregion: South Mojave-Amboy

Description/Location: The Castle Mountains lie across the California-Nevada border, and rise between 3,000 and 5,000 feet. The lands are surrounded by the Mojave National Preserve to the north, west and south.

Nationally Significant Values:

Ecological: The Castle Mountains area is a critical linkage between the Piute Mountains and the New York Mountains, to ensure the long-term survival of plants such as Joshua trees and multiple wildlife species, including desert bighorn sheep. Surrounded on three sides by the Mojave National Preserve, this area is the only remaining portion of the 340-mile Lanfair Valley watershed that is not part of the Preserve. The Castle Mountains' high-quality desert habitat includes some of the finest Joshua tree forest in the Mojave Desert, pinyon pine and juniper forest at higher elevations, and native desert grassland recognized as a "unique plant assemblage" in the CDCA Plan. The scenic view from Hart Mountain looks out over adjacent and contiguous wilderness, including views of many of the highest peaks in the Mojave Desert. The remote nature of this area protects the ability to enjoy increasingly rare natural soundscapes. This area is especially critical to desert bighorn sheep who utilize the area both as habitat and as a wildlife corridor between the water-poor Piute Mountains and the wetter New York Mountains.

UPA: Lanfair Valley Desert Grassland

Other rare plant species: Nevada onion (*Allium nevadense*) [CNPS 2.3]; Purple-nerve cymopterus (*Cymopterus multinervatus*) [CNPS 2.2]; Nine-awned pappus grass (*Enneapogon desvauxii*) [CNPS 2.2]; Parish's club-cholla (*Grusonia parishii*) [CNPS 2.2]; Plains flax (*Linum puberulum*) [CNPS 2.3]; Red four o'clock (*Mirabilis coccinea*) [CNPS 2.3]; Lobed ground-cherry (*Physalis lobata*) [CNPS 2.3]; Abert's Sanvitalia (*Sanvitalia abertii*) [CNPS 2.2]

Cultural: This area showcases the progression of human history in the Eastern Mojave Desert. There are significant elements of Native American, Western-American and Mining History, including an obsidian source that provided material found throughout the Mojave, the historic town of Hart, and both the Hart and Viceroy mines.

Scientific: Because of the extensive habitat linkage, this unit offers unparalleled opportunities to study wildlife movement and connections between diverse habitats. Ongoing studies of Desert bighorn sheep, other special status plants and animals provide a wealth of knowledge on the health of these species, habitats, and ecosystems.

Studies of ground water and climate change affecting conservation lands are needed to help guide future management. Archaeological and cultural research studies the adaptation of humans in this arid environment, and contributes to better understanding of diverse cultures. Since the area is rich in cultural resources, this unit contributes greatly to cooperative management and protection of these resources

between the BLM and Native American tribes.

Special Designations/Management Plan/Date: No previous special designation.

Relevance and Importance Criteria: Relevant biological resources including wildlife and plant assemblages. The area is critical for bighorn sheep containing the Castle Mountain deme and providing habitat connectivity between Castle Peaks to the north and Piute Range to the south. The area supports an excellent representative population of Joshua Tee Woodland and has a unique plant assemblage of desert grassland. Additionally, the area has regionally significant populations of scrub lotus (*Acmispon argyraeus* var. *multicaulis*) [CNPS 1b.3] and rosy two-toned beardtongue (*Penstemon bicolor* ssp. *roseus*) [CNPS 1B.1] and important habitat for prairie falcons, gray vireo, and Bendire's thrasher – all special status bird species.

Recreation Area: This unit overlaps with the Castle Mountain ERMA.

Grazing Allotment: This unit overlaps with Crescent Peak Allotment.

Lands with Wilderness Characteristics: This unit contains 107 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

Overarching Goals: Protect biological values, including habitat quality, populations of sensitive species sensitive natural communities, and landscape connectivity while providing for compatible public uses. Conserve cultural values, especially obsidian source sites.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

Designation and Acreage by Alternative:

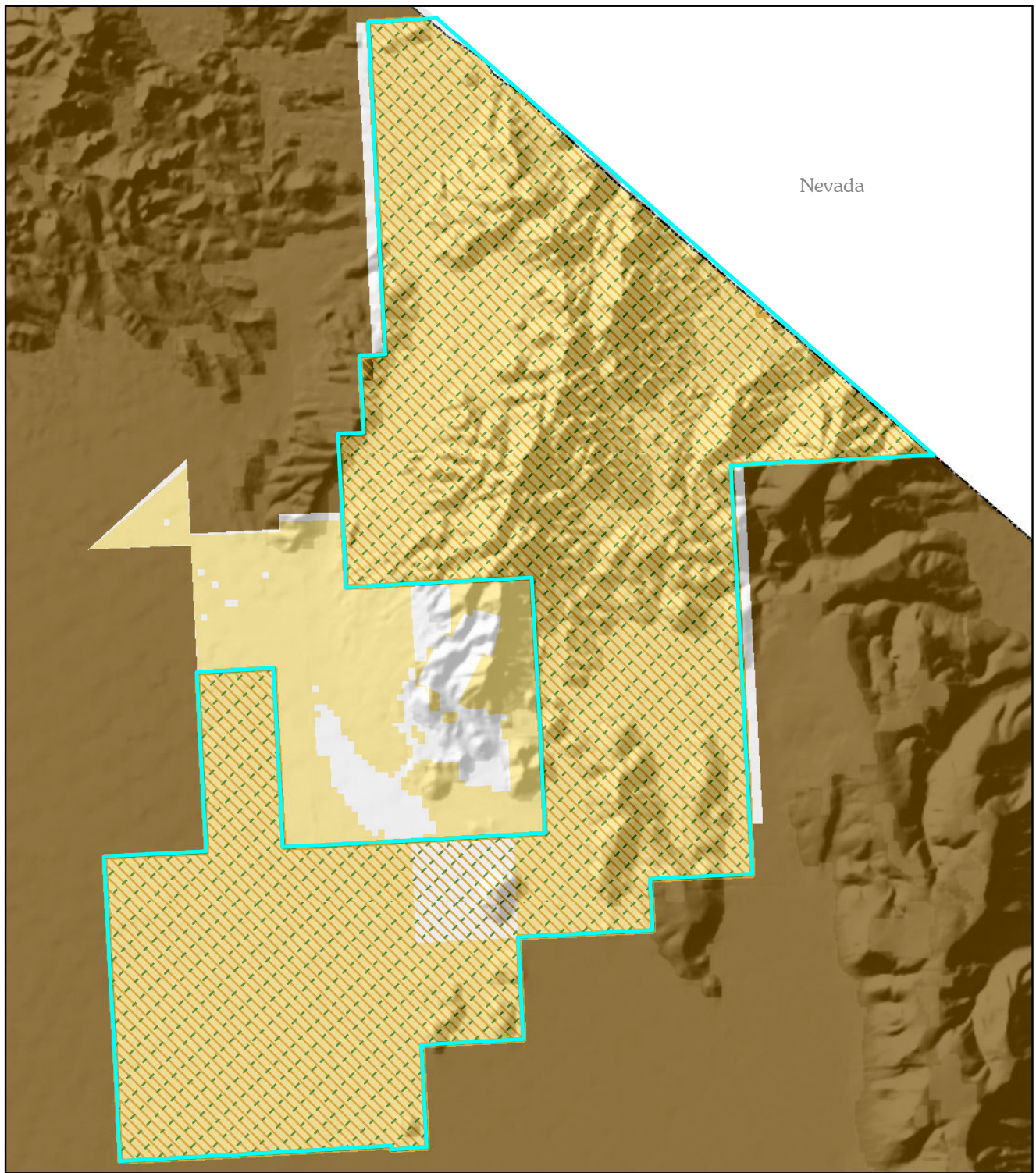
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	0
Preferred Alternative	22,841	22,886	0	1%
1	22,800	22,800	0	1%
2	22,800	22,800	0	1%
3	22,800	22,800	0	1%
4	22,800	22,800	0	1%

*** Acreage values are for BLM managed lands**

Objectives (desired future conditions) /Allowable Uses/Management Actions	Resource
<p>Objective: Retain existing flow regime and volume. Protect soil crusts and proper functioning condition</p> <p>Action: Secure Federal Reserve Water Right. OHV limited to designated routes.</p>	Soil, water, air
<p>Objective: Maintain or Improve condition of existing vegetation. Conserve Joshua tree woodlands by monitoring population trends, removing and/or preventing threats, and taking remedial actions when impacts occur. Protect populations of special status plants.</p> <p>Action: Remove invasive plants, rehabilitate/revegetate disturbed areas. Closed to grazing. OHV limited to designated routes.</p>	Vegetation - Including special status plant species
<p>Nelson Desert Bighorn Sheep</p> <p>Objective: Maintain and improve habitat for bighorn sheep</p> <p>Management Actions: Evaluate water sources and determine if artificial water sources should be developed.</p>	Fish and Wildlife - Including special status fish and wildlife species
<p>Objective: Protect sensitive species and habitat, and cultural sites.</p> <p>Provide for the use of a designated system of roads and trails to ensure access to the public for appropriate uses.</p>	Trails and Travel Management

<p>Action:</p> <ul style="list-style-type: none"> • All legal open roads and trails will be signed including road or trail number/name. All roads and trails identified as closed will be rehabilitated/restored. • Restore all undesignated roads or trails. • Provide routine maintenance of the designated roads and trails system including installation of routine signs, markers, culverts, ditches, water bars, barriers, gates, or cattle guards on/or adjacent to system roads and trails. 	
<p>Objective: Refer to the Castles Extended Recreation Management Area (ERMA) write-up for detailed objectives, allocations, and management direction.</p> <p>Goal: Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities and to ensure public health and safety;</p> <p>Action:</p> <ul style="list-style-type: none"> • Provide interpretive, directional, and regulatory signs and materials as necessary to provide public information and reduce impacts from recreational use. • Prohibit competitive special recreation events. • Allow stopping and parking within 25 feet, and camping within 100 feet of designated routes. • Manage recreational shooting consistent with state and local laws. • Issuance of Special Recreation Permits for day use or overnight use up to 14 consecutive nights; that impact no more than 3 staging area acres; and/or for recreational travel along roads and trails designated open in the land use or accompanying activity level plans. 	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p> <p>.</p>	Rights of Way (ROW)


<p>Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria.</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Manage mineral resources to accommodate appropriate economic development consistent with NLCS/ACEC objectives.</p> <p>Allowable Uses: Open to mineral entry w/ stipulations.</p> <p>Management Actions: Closed or limited with stipulations to saleable minerals. Closed to leasing or open with NSO.</p>	<p>Locatable Minerals</p> <p>Mineral Materials</p> <p>Non-Energy Leasable</p>
<p>No Action Alternative: Allowable Uses: Existing allotment is authorized</p> <p>All Action Alternatives: The Crescent Peak grazing allotment is scheduled to be permanently closed to livestock grazing through the DRECP process.</p>	Livestock grazing

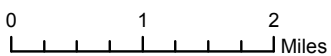


Conservation Footprint

- | | | |
|---|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status |
|  National Conservation Lands |  CDCA Boundary |  Bureau of Land Management |

ACEC Boundaries

-  1% Disturbance Cap



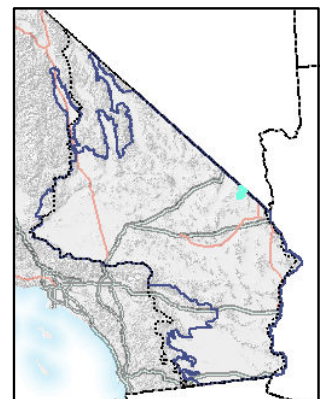
Castle Mountain

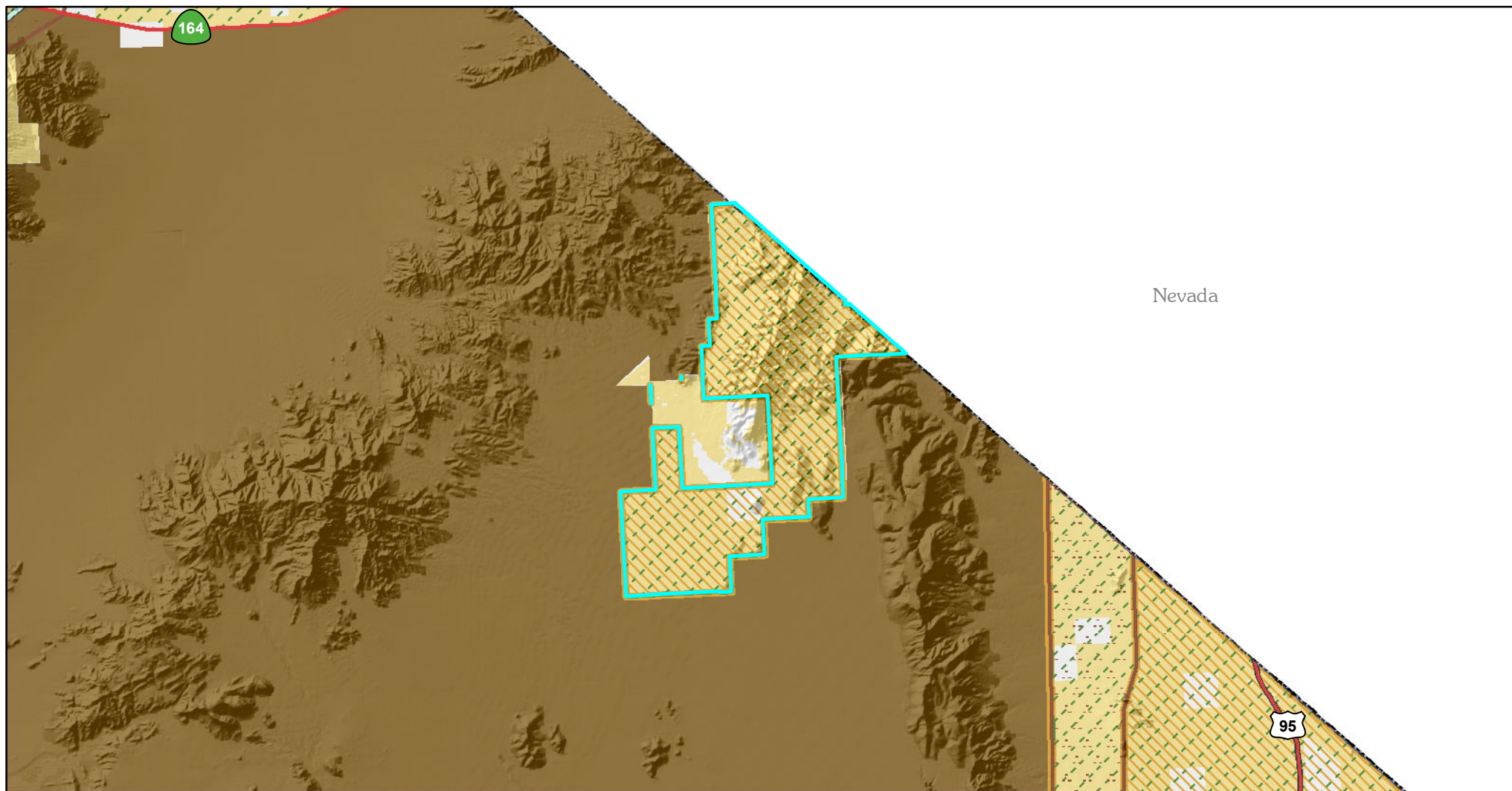
6/25/2015



Draft Map Boundaries Subject to Change

1059





Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

Land Status

Bureau of Land Management

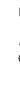
Castle Mountain

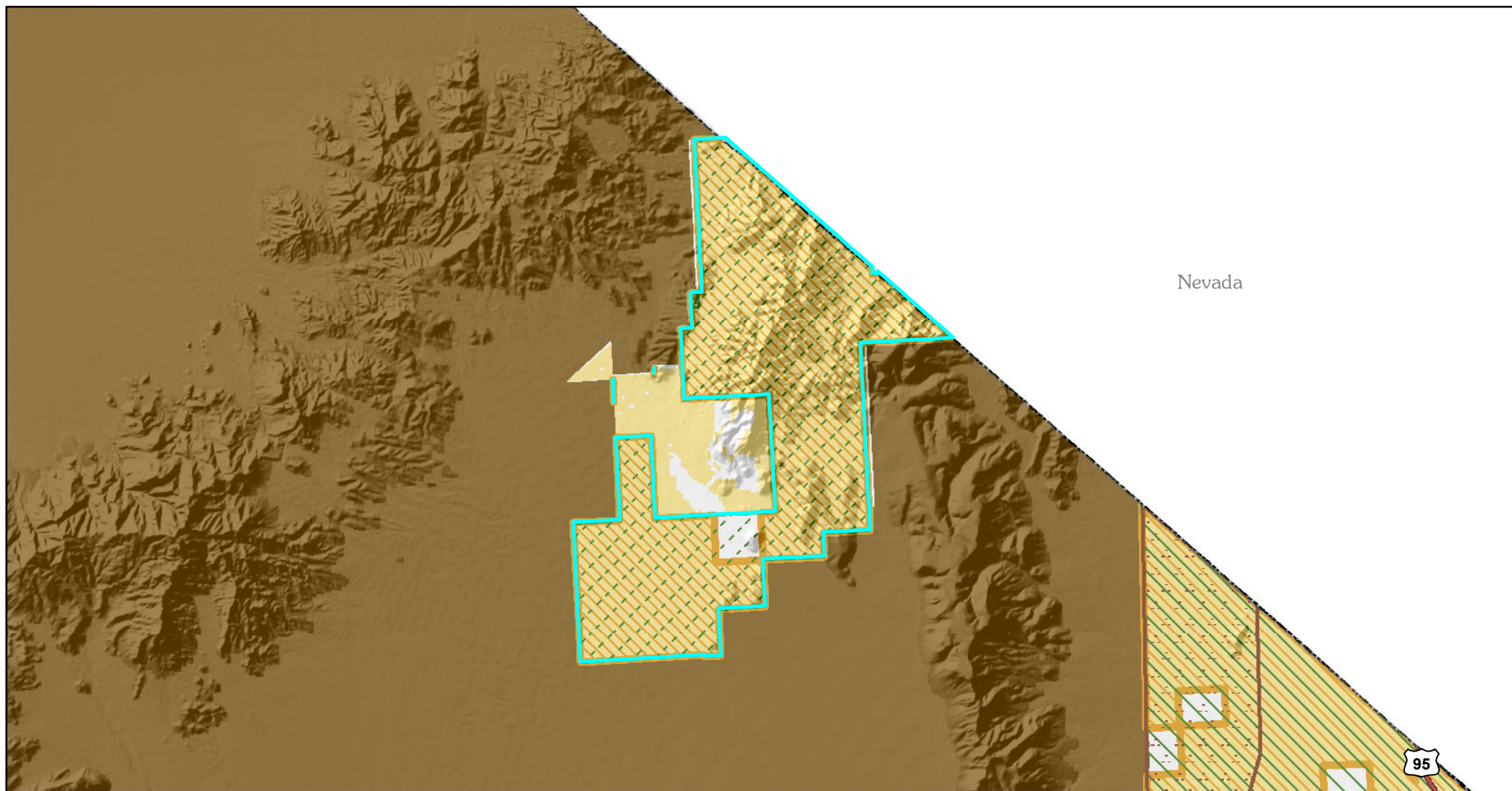
Alternative 1

8/25/2015



Draft Map Boundaries Subject to Change

0 2 4
Miles










Conservation Footprint

-  Legislatively & Legally Protected Areas
-  National Conservation Lands

ACEC Boundaries

-  0.5% Disturbance Cap
-  1% Disturbance Cap

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

Land Status

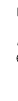
-  Bureau of Land Management

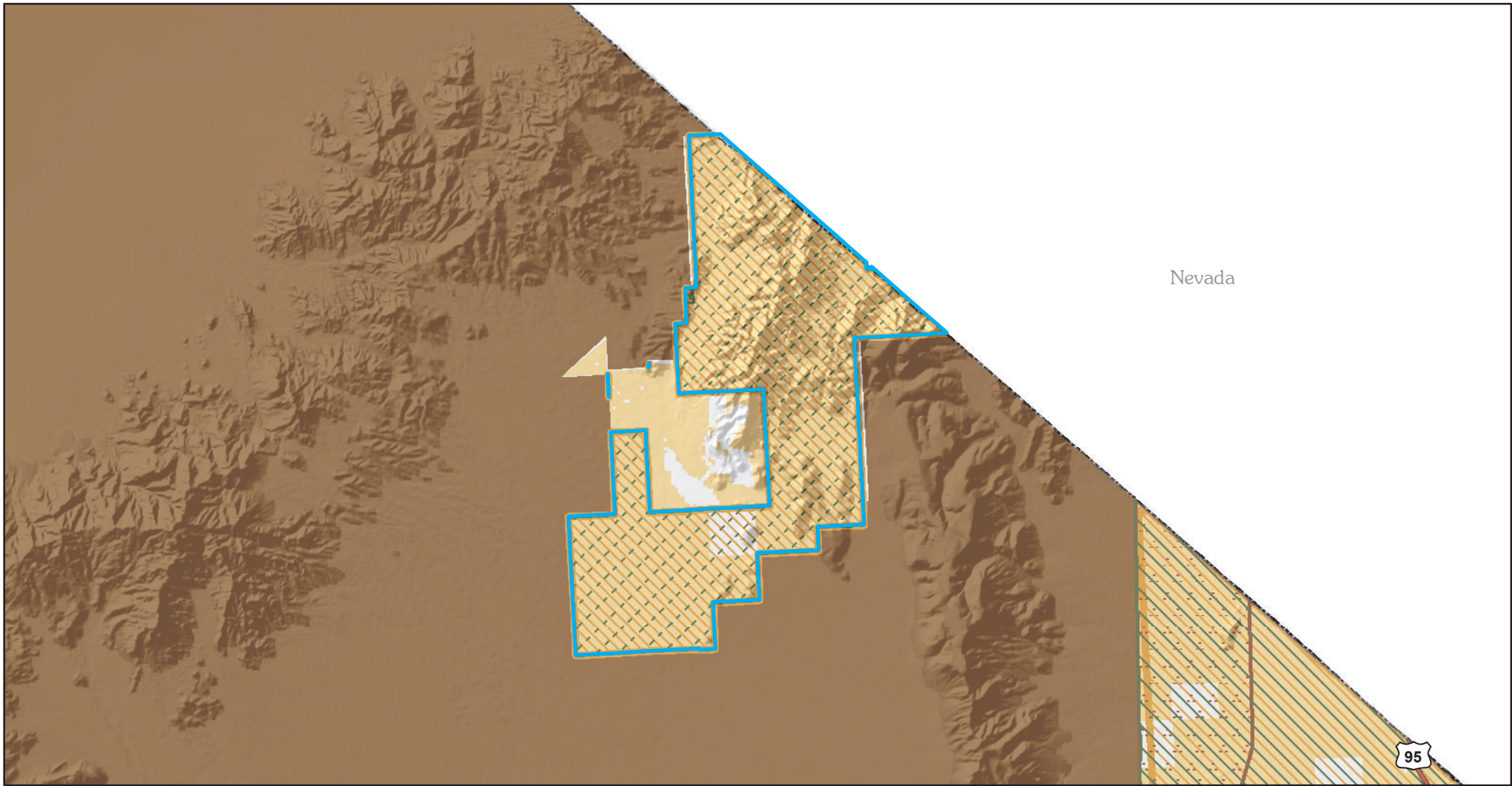
0 2 4 Miles

Castle Mountain Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

0.5% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

Land Status

Bureau of Land Management

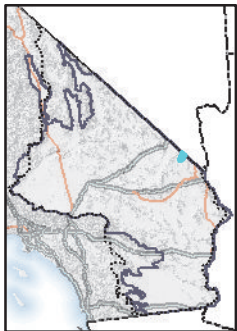
Castle Mountain

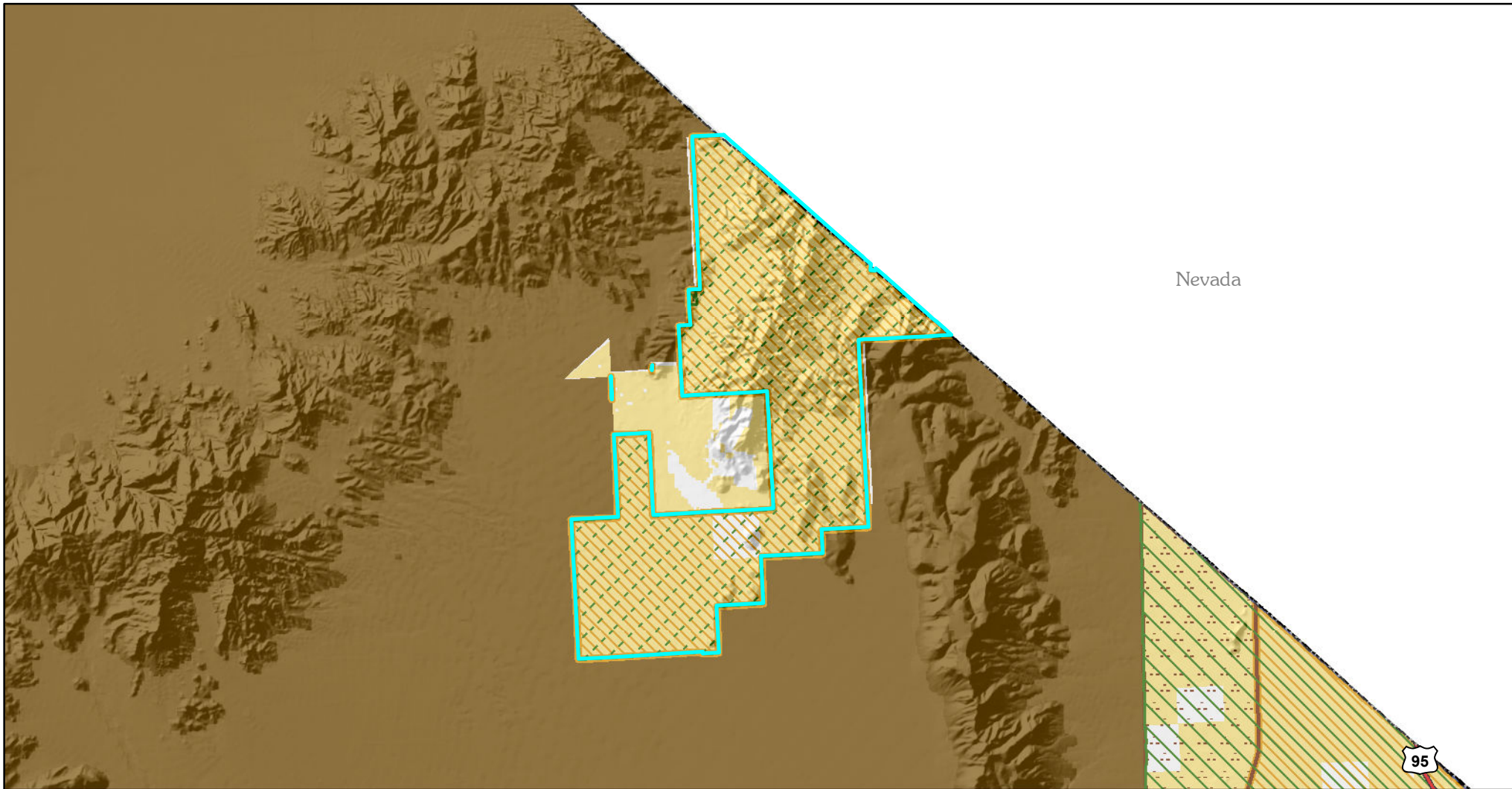
Alternative 3

8/26/2015

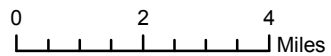
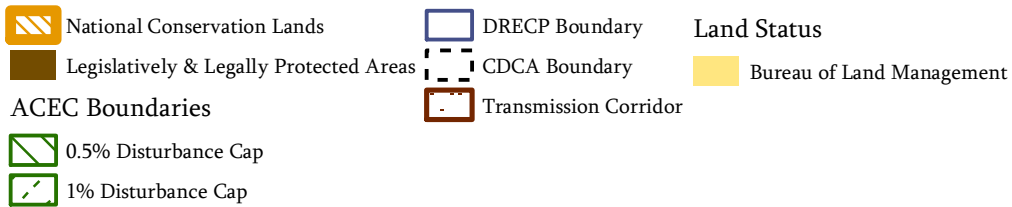
Draft Map Boundaries Subject to Change

0 2 4
Miles





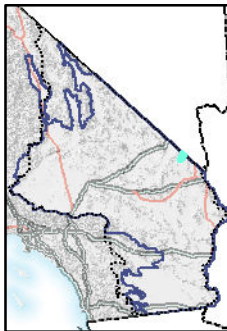
Conservation Footprint



Castle Mountain Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change



Manix Paleontological Area

National Conservation Lands Ecoregion: South Mojave-Amboy, Mojave and Silurian Valley

Description/Location: Located about 20 miles northeast of Barstow along the Mojave River.

Nationally Significant Values:

Scientific: The Manix fault is of importance for its paleontological resources. The study of these resources will help to better understand effects of climate change.

Special Designations/Management Plan/Date: ACEC Plan No. 85, 1990

Relevance and Importance Criteria: Relevant paleontological, cultural and wildlife resources. ACEC contains known fossil sites, as well as contains the habitat specific to the Mojave fringe-toed lizard.

National Historic and Scenic Trails: This unit overlaps a portion of the Old Spanish Trail.

Grazing Allotment: This unit overlaps with Cady Mountain Allotment.

Lands with Wilderness Characteristics: This unit contains 2,888 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

Overarching Goals: To protect paleontological, cultural and wildlife resources.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

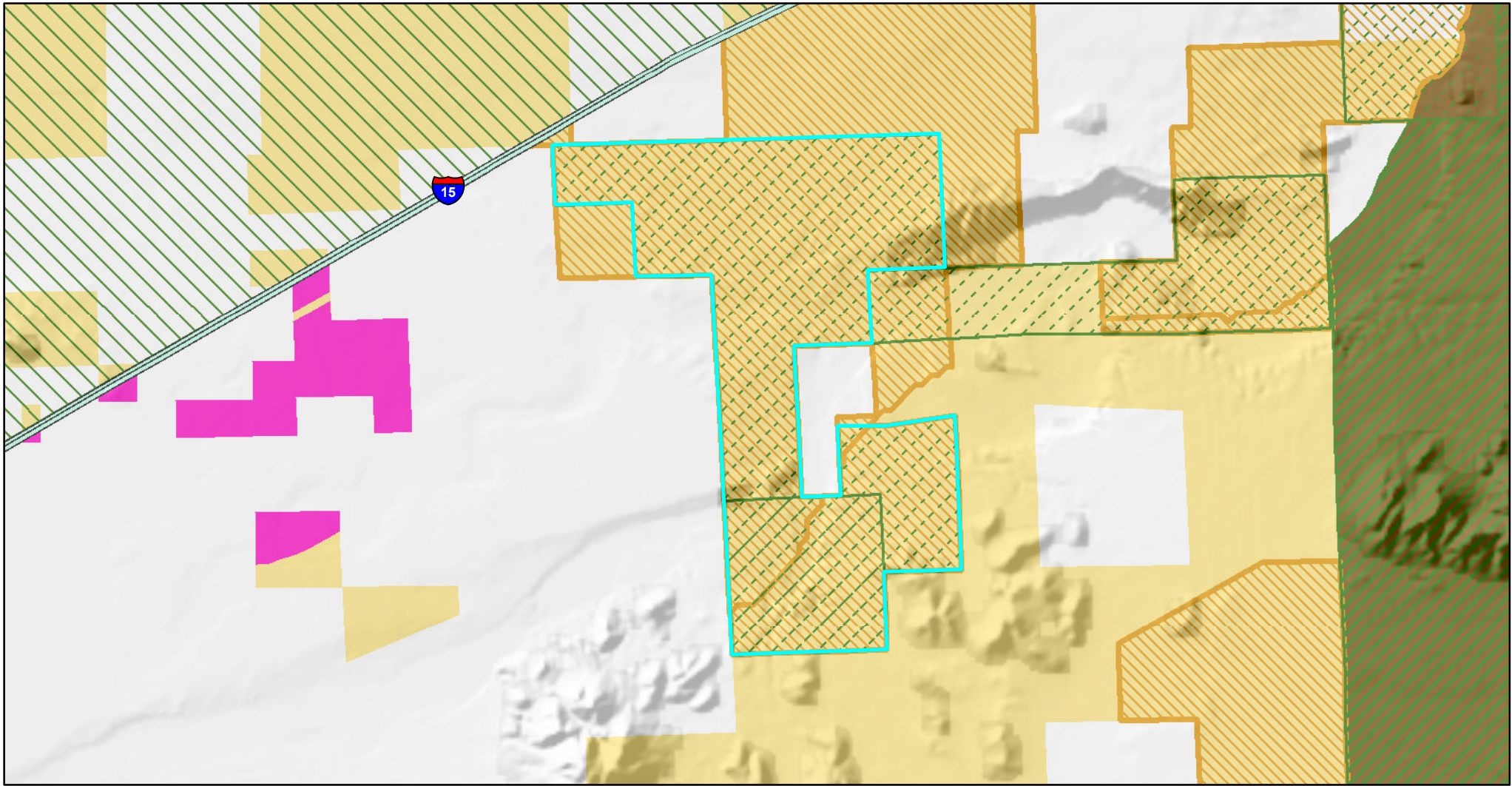
Designation and Acreage by Alternative:

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	2,900	0	NA
Preferred Alternative	2,907	2,907	0	1%
1	0	2,900	0	1%
2	2,900	2,900	0	1%
3	0	2,900	0	1%
4	1,20	2,900	0	1%

*** Acreage values are for BLM managed lands**

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Manage for the protection of Mojave fringe-toed lizard</p> <p>Management Action: Survey for Mojave fringe-toed lizard, identify current occupied and potential habitat, identify and implement actions to conserve and improve habitat conditions including the maintenance of sand transport corridors</p>	Fish and Wildlife - Including special status species
<p>Objective: General Management and Protection of Paleontological Resources</p> <p>Management Action 1: Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act</p> <p>Management Action 2: Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed</p>	Paleontology
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way (ROW)

<p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>No Action Alternative:</p> <p>Allowable Uses: Existing allotment is authorized</p> <p>All Action Alternatives: The Cady Mountain grazing allotment is scheduled to be permanently closed to livestock grazing through the DRECP process.</p>	Livestock grazing



Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 0.5 1
Miles

DRECP Boundary

CDCA Boundary

Renewable Footprint

Development Focus Areas

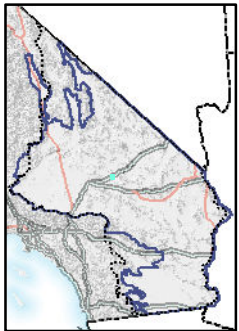
Land Status

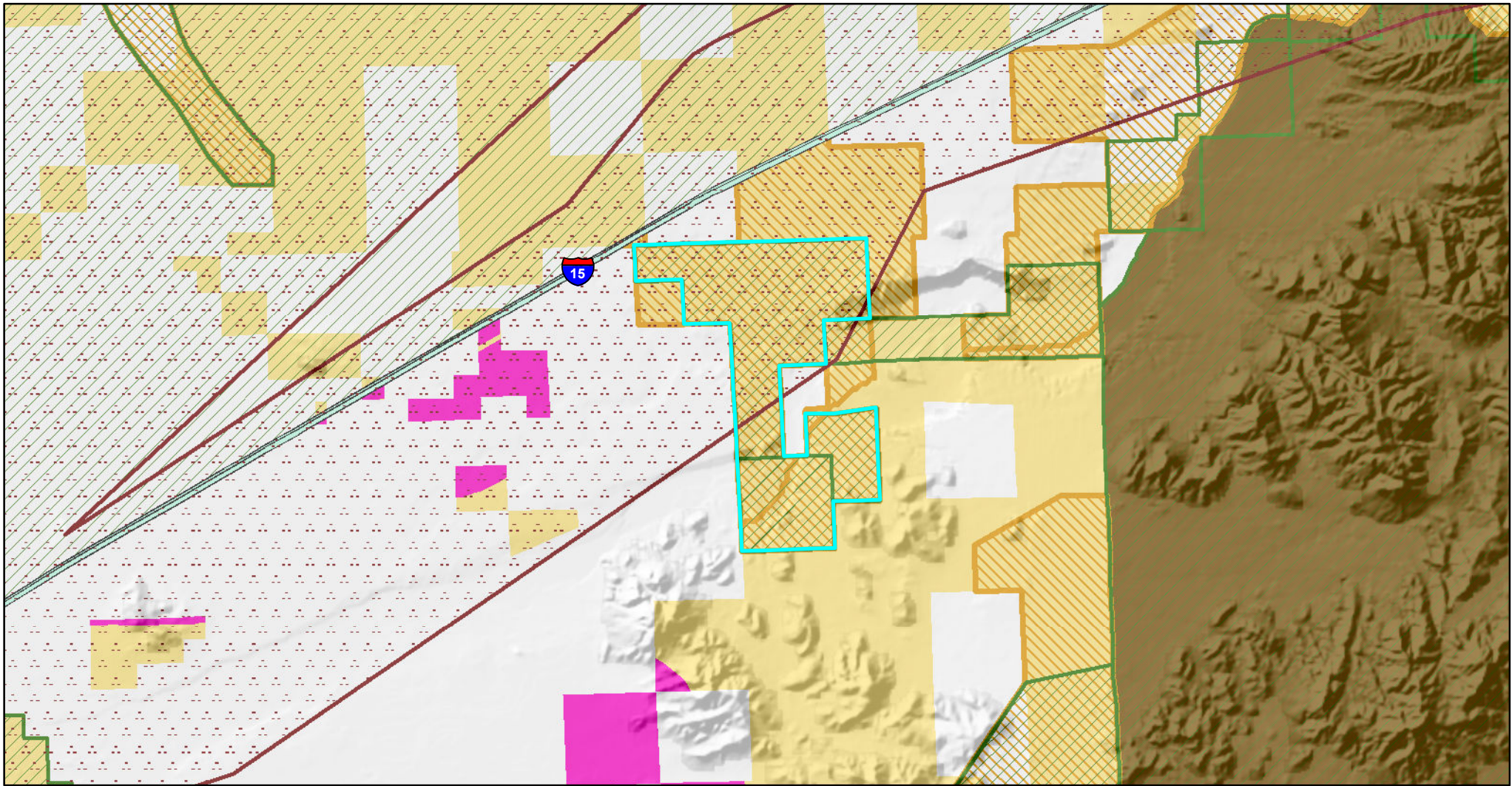
Bureau of Land Management

Manix




6/24/2015




Draft Map Boundaries Subject to Change





Conservation Footprint


-  Legislatively & Legally Protected Areas
-  National Conservation Lands
-  Proposed ACEC

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

Renewable Footprint

-  Development Focus Areas

Land Status

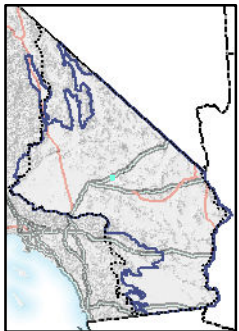
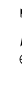
-  Bureau of Land Management

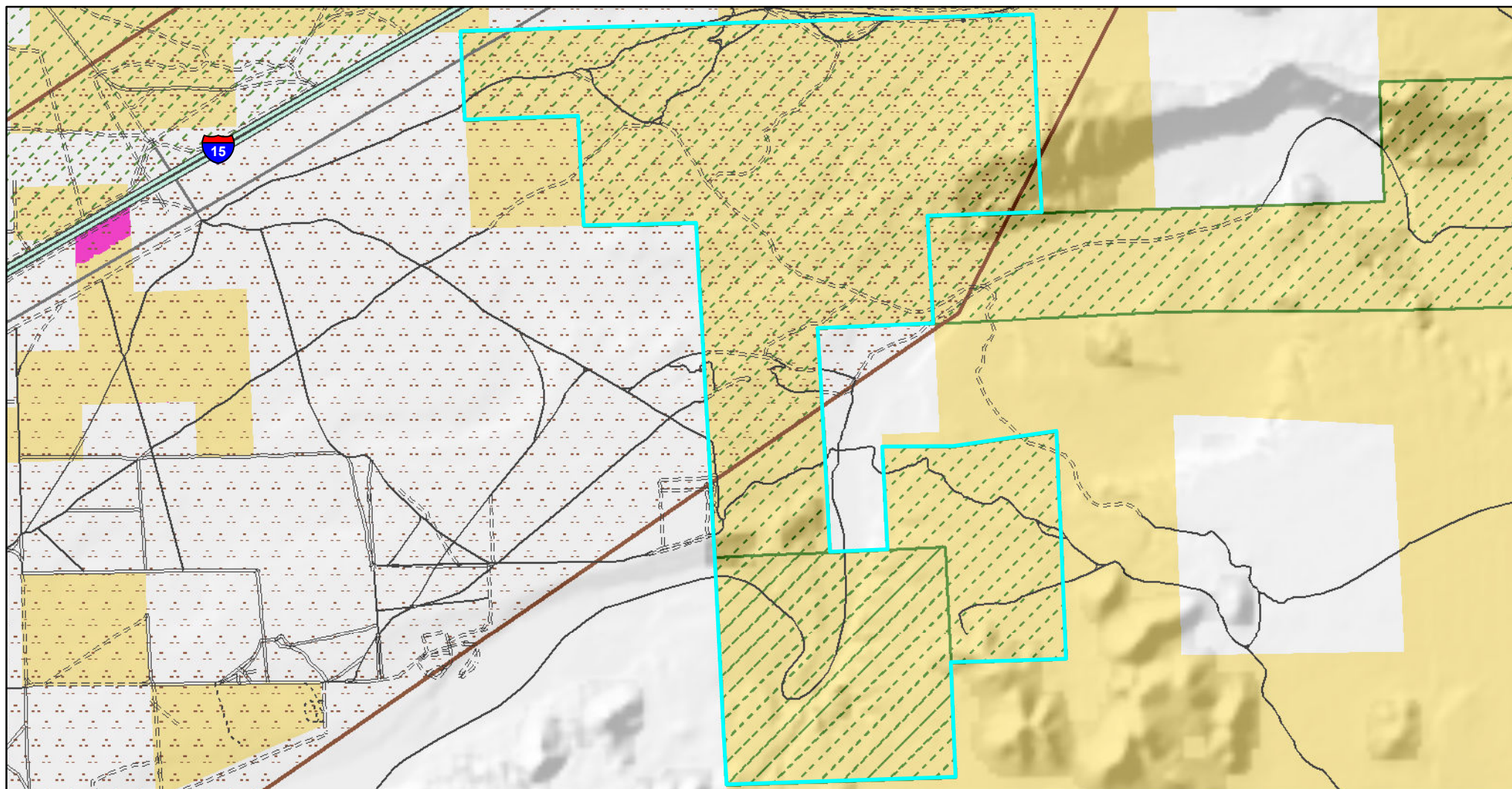
Manix

7/14/2015

Draft Map Boundaries Subject to Change

0 1 2
Miles





Conservation Footprint

ACEC Boundaries
 1% Disturbance Cap

DRECP Boundary
 CDCA Boundary
 Transmission Corridor

Renewable Footprint
 Development Focus Areas

Land Status
 Bureau of Land Management

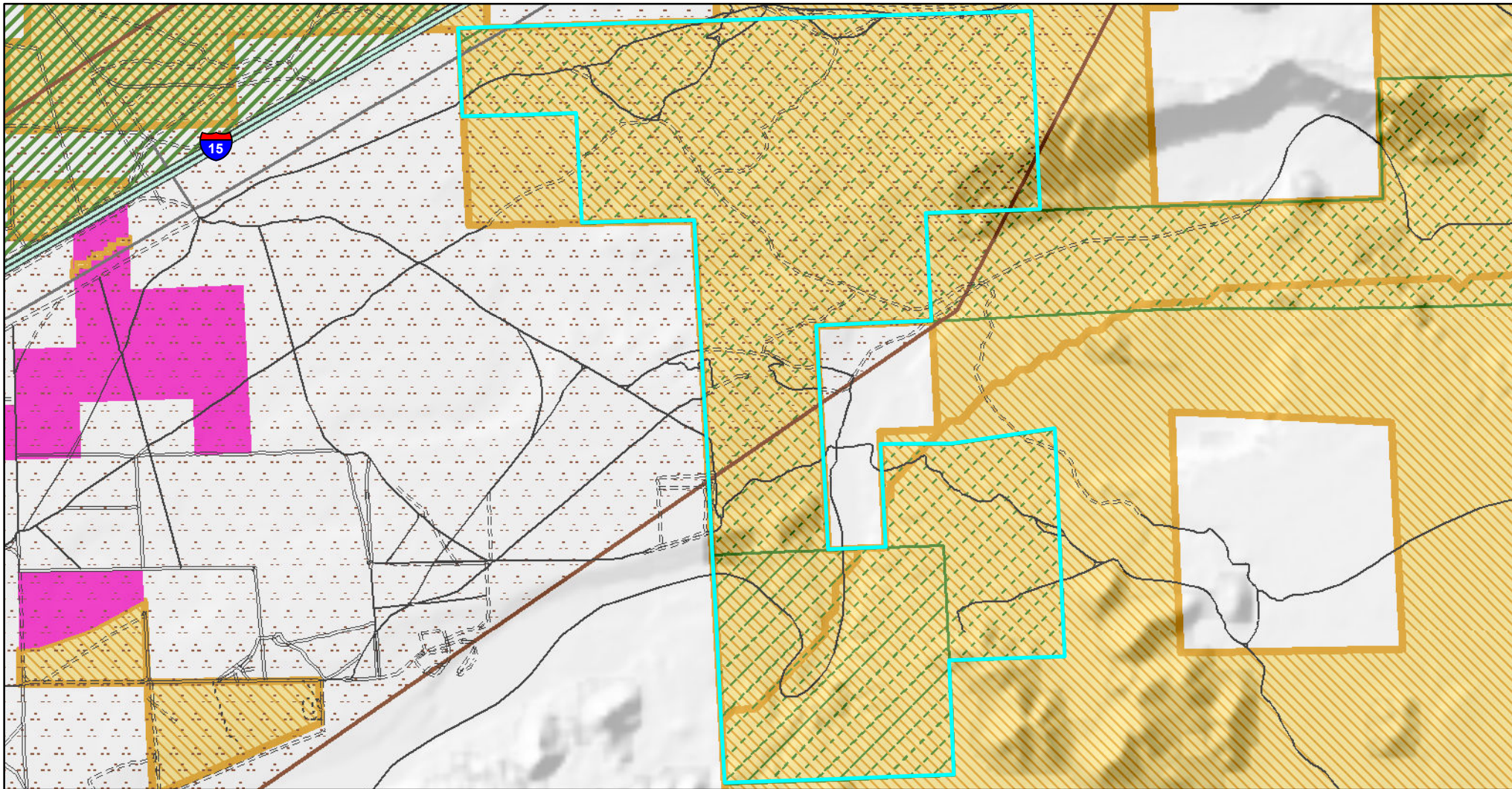
0 0.5 1 Miles

Manix Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change







Conservation Footprint

 National Conservation Lands

ACEC Boundaries


 0.25% Disturbance Cap

 0.5% Disturbance Cap


 1% Disturbance Cap

 DRECP Boundary

 CDCA Boundary

 Transmission Corridor

Renewable Footprint

 Development Focus Areas

Land Status

 Bureau of Land Management

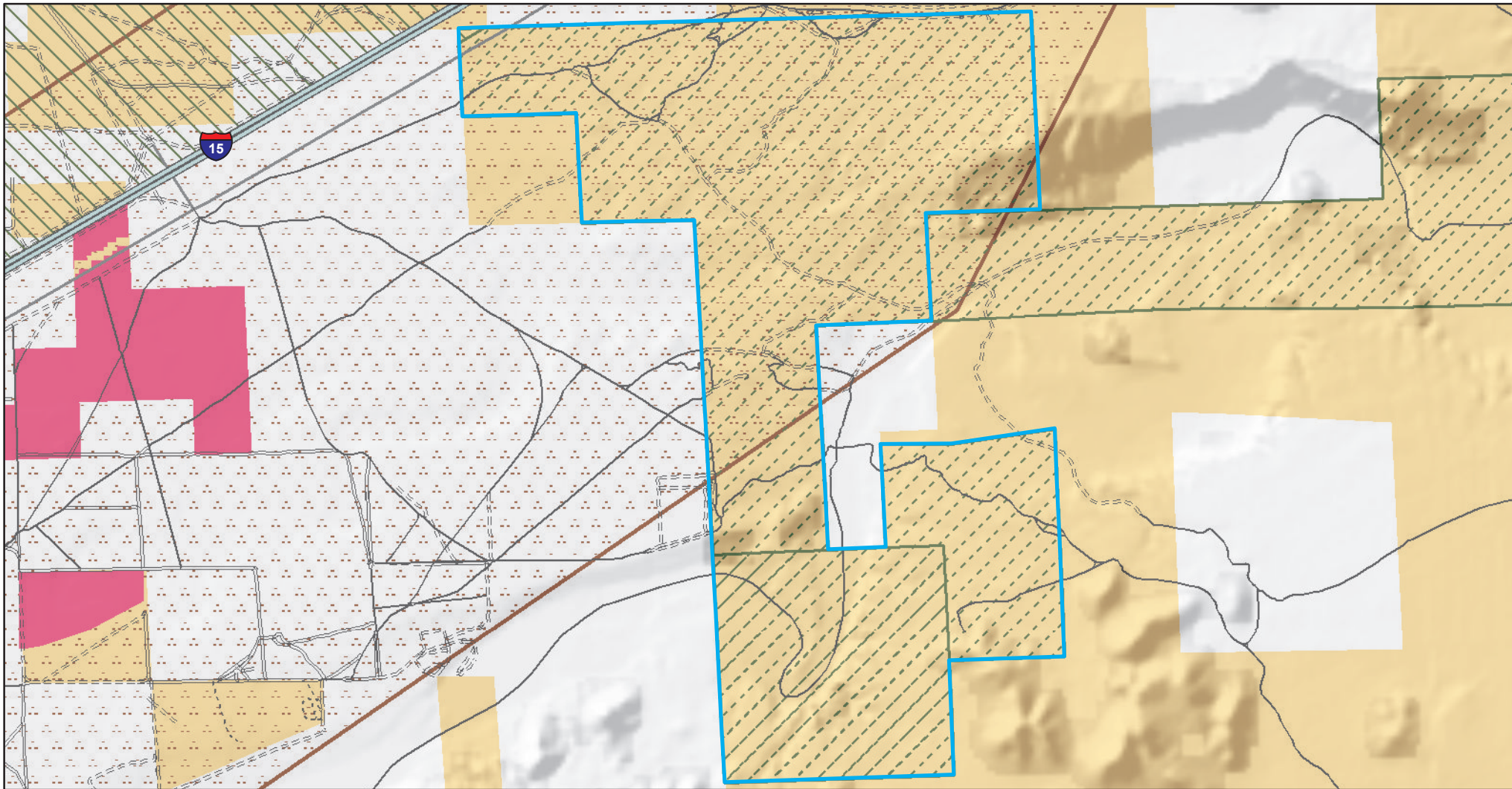
0 0.5 1 Miles

Manix Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

ACEC Boundaries

- 0.5% Disturbance Cap
- 1% Disturbance Cap

DRECP Boundary

- CDCA Boundary

Transmission Corridor

Renewable Footprint

- Development Focus Areas

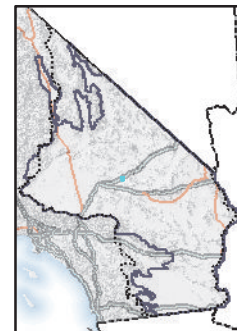
Land Status

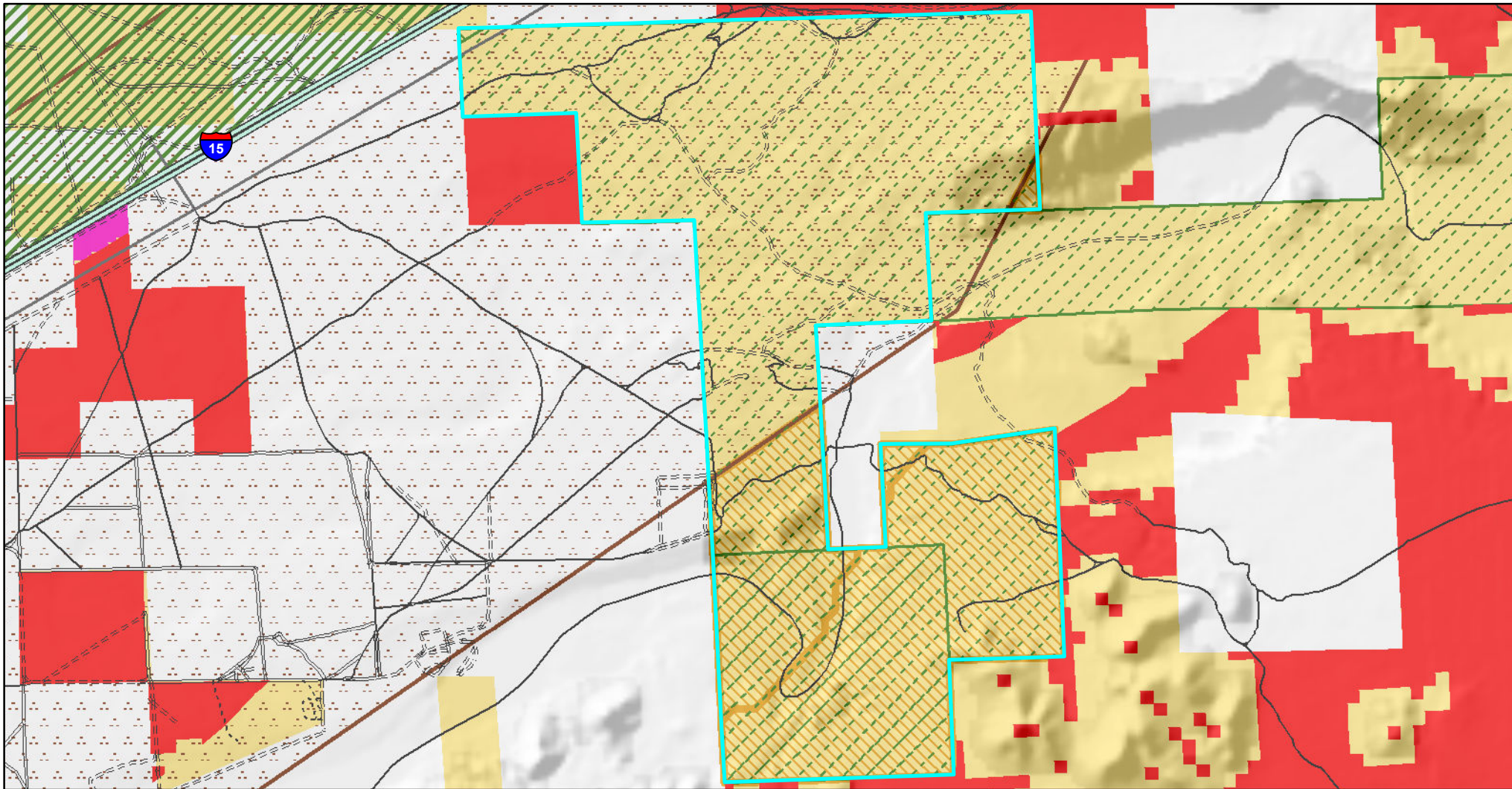
- Bureau of Land Management

Manix Alternative 3

8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

National Conservation Lands

ACEC Boundaries

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Development Focus Areas

Variance Lands

Land Status

Bureau of Land Management

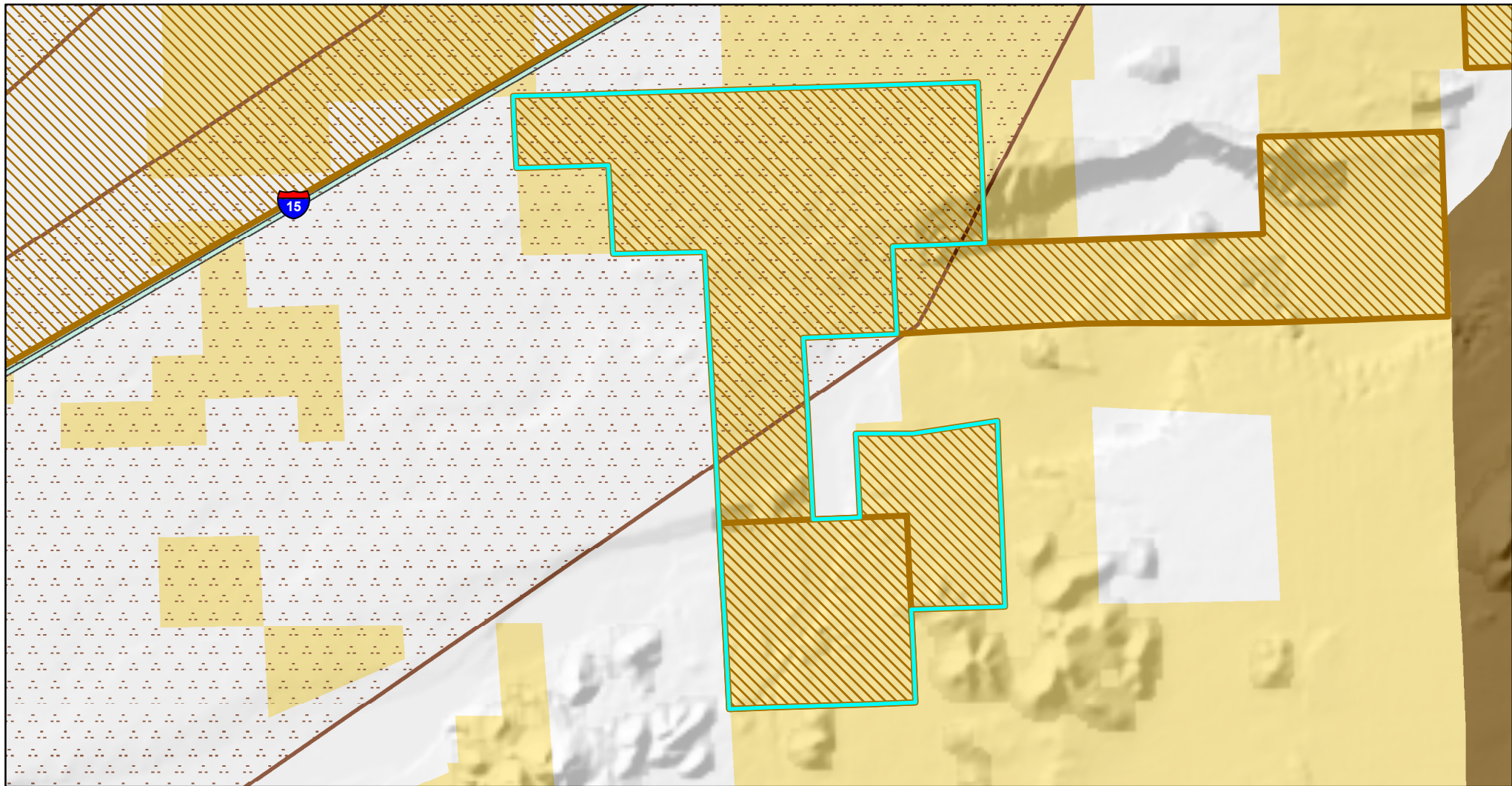
0 0.25 0.5
Miles

Manix Alternative 4






8/27/2015

Draft Map Boundaries Subject to Change




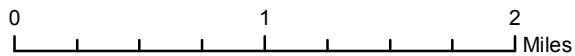


Conservation Footprint

-  Existing ACEC
-  Transmission Corridor
-  CDCA Boundary
-  DRECP Boundary
-  Legislatively & Legally Protected Areas

Land Status

-  Bureau of Land Management

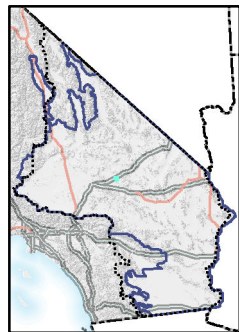


Manix

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Marble Mountain Fossil Bed

National Conservation Lands Ecoregion: South Mojave-Amboy

Description/Location: Southeast of Chambless, 3.5 miles along Cadiz Road until you reach the railway siding then 1 mile northeast to the foot of the hills.

Nationally Significant Values:

Scientific: The Marble Mountains contain one of the classic Cambrian trilobite fossil sites in the Western United States. The fossil beds lie in a shale formation that is 60-feet thick and over 550 million years old. Fossil sites such as this are uncommon in the California Desert and present a unique opportunity for research on ancient life and past environments. The site is visited by researchers, students, and visitors from around the United States.

Special Designations/Management Plan/Date: ACEC Plan No. 48, 1980

Relevance and Importance Criteria: The area contains relevant geological and paleontological resources that are important both regionally and nationally for their uniqueness and high concentration of Cambrian trilobite fossils.

Recreation Area: This unit overlaps with the National Trails SRMA.

Overarching Goals: Protect paleontological resource values, including the Marble Mountain Trilobite Site, Latham Shale, and any others within the ACEC.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

Designation and Acreage by Alternative:

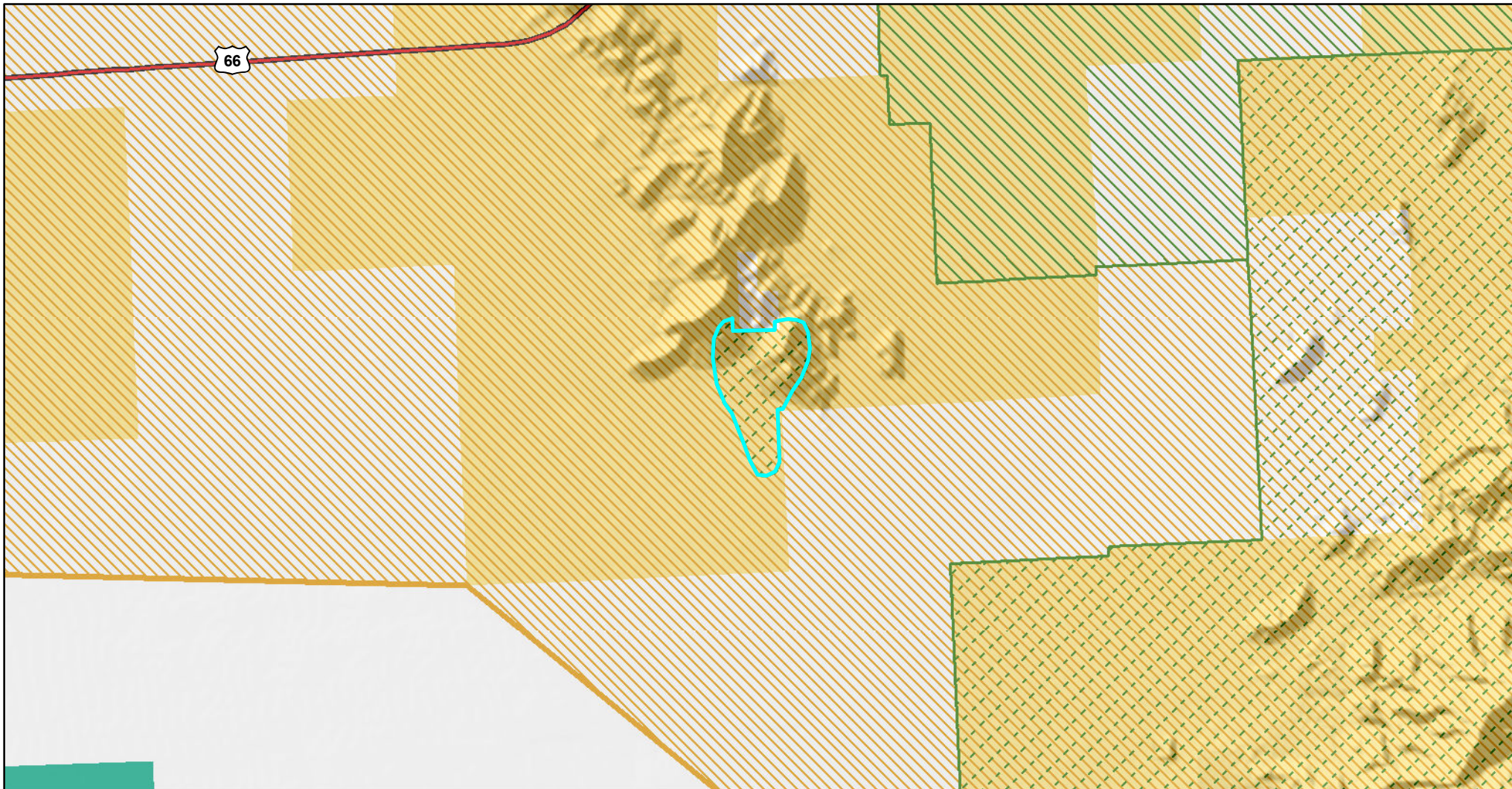
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	230	0	NA
Preferred Alternative	230	230	0	1%
1	193	230	0	1%
2	230	230	0	1%
3	230	230	0	1%
4	230	230	0	1%

*** Acreage values are for BLM managed lands**

Objectives (desired future conditions) /Allowable Uses/Management Actions	Resource
<p>Objective: Protect the Latham Shale and associated geologic features and soils that overlay the fossil site.</p> <p>Management Action: Limit OHV use to designated routes.</p>	Soil, water, air
<p>Objective: General Management and Protection of Paleontological Resources</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act. • Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources including the identification of non-commercial hobby beds for public collecting. 	Paleontology
<p>Objective: Provide for the use of a designated system of Ground Transportation Linear Features to ensure access to the public for appropriate uses.</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • All legal open roads and trails will be signed including road or trail number/name. All roads and trails identified as closed will be rehabilitated/restored. • Restore all undesignated roads or trails. • Provide routine maintenance of the designated roads and trails system 	Trails and Travel Management

including installation of routine signs, markers, culverts, ditches, water bars, barriers, gates, or cattle guards on/or adjacent to system roads and trails.	
<p>Refer to the National Trails Special Recreation Management Area (SRMA) write-up for detailed objectives, allocations, and management direction.</p> <p>Objective: Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities, and to ensure public health and safety;</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Provide interpretive, directional, and regulatory signs and materials as necessary to provide public information and reduce impacts from recreational use. • Allow stopping and parking within 25 feet, and camping within 100 feet of designated routes. • Manage recreational shooting consistent with state and local laws. • Allow SRP events which do not negatively affect ACEC Relevance and Importance Values. • Issuance of Special Recreation Permits for day use or overnight use up to 14 consecutive nights; that impact no more than 3 staging area acres; and/or for recreational travel along roads and trails designated open in the land use or accompanying activity level plans. 	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way
<p>Allocations:</p> <ul style="list-style-type: none"> • No renewable energy development • ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation. 	Renewable Energy

<p>Allocation:</p> <ul style="list-style-type: none"> • Withdraw from mineral entry, based on existing plan. • Close to mineral material sales and leasing. 	<p>Locatable Minerals</p> <p>Mineral Materials</p> <p>Non-energy Leaseables</p>
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Conservation Footprint

 National Conservation Lands


 DRECP Boundary

ACEC Boundaries

 CDCA Boundary


 0.5% Disturbance Cap

Renewable Footprint

 1% Disturbance Cap

 Variance Process Lands

Land Status

 Bureau of Land Management

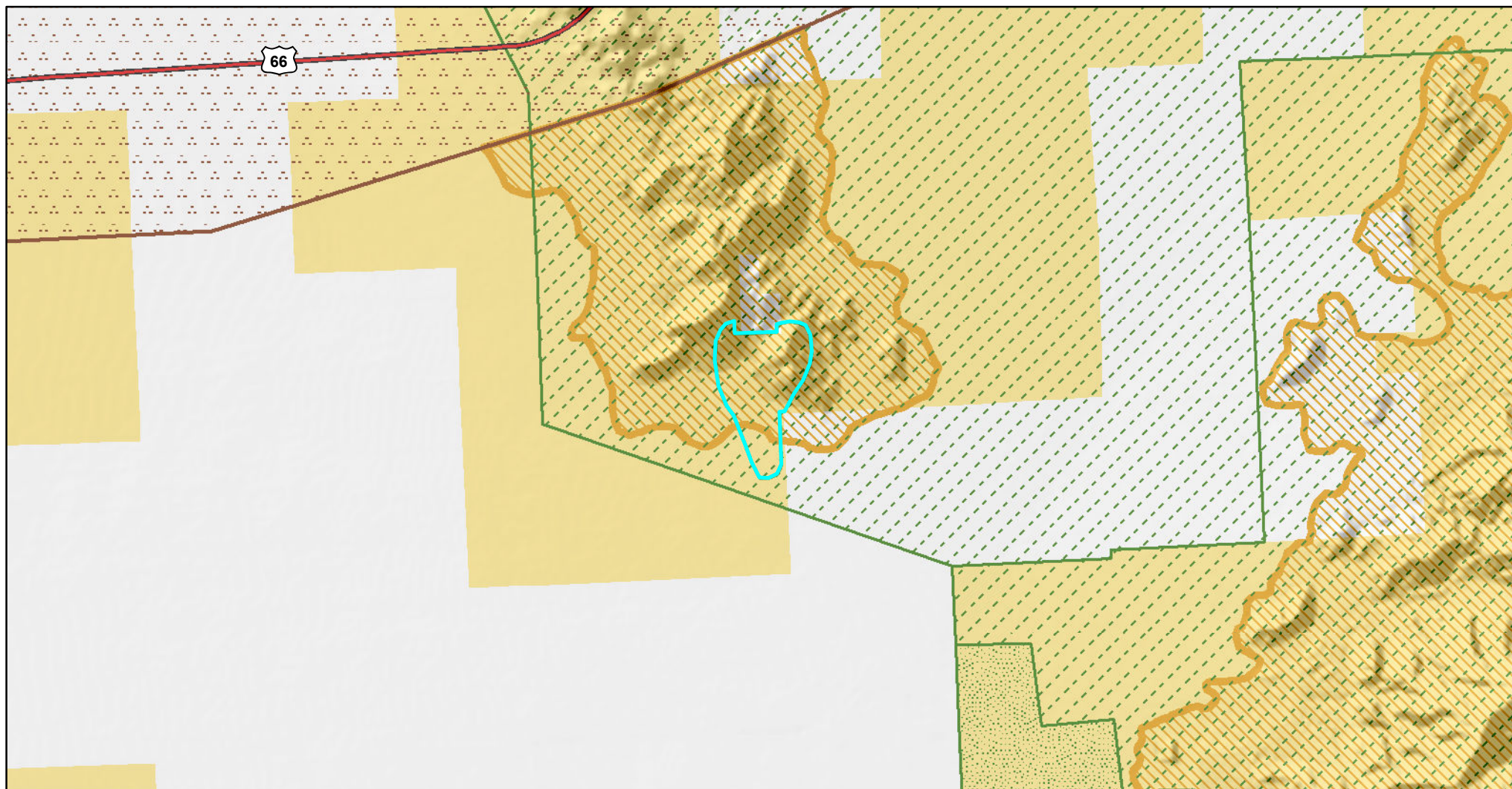
Marble Mountain Fossil Bed

6/24/2015

Draft Map Boundaries Subject to Change

0 0.5 1
Miles






Conservation Footprint

 National Conservation Lands


ACEC Boundaries

 1% Disturbance Cap


 Wildlife Allocation

 DRECP Boundary

 CDCA Boundary

 Transmission Corridor

Land Status

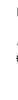
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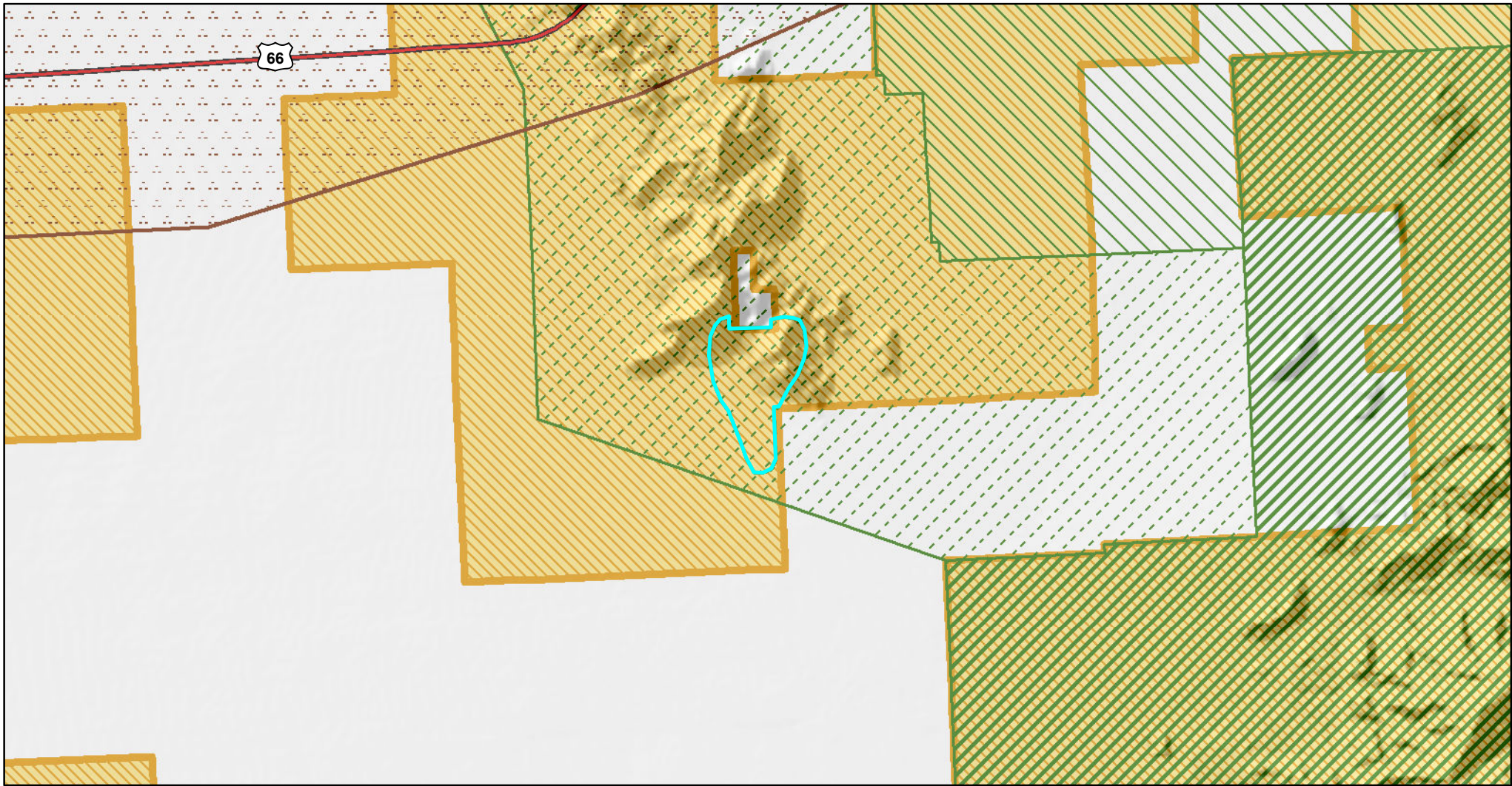
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Miles

Marble Mountain Fossil Bed Alternative 1

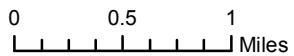
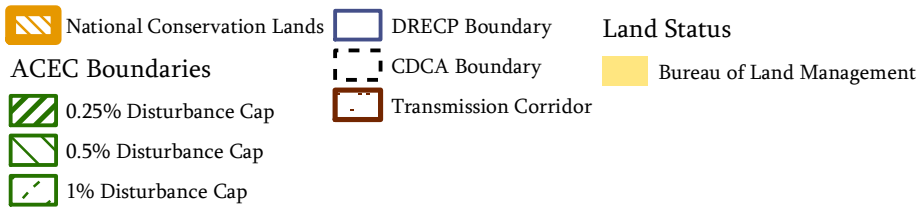
8/25/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

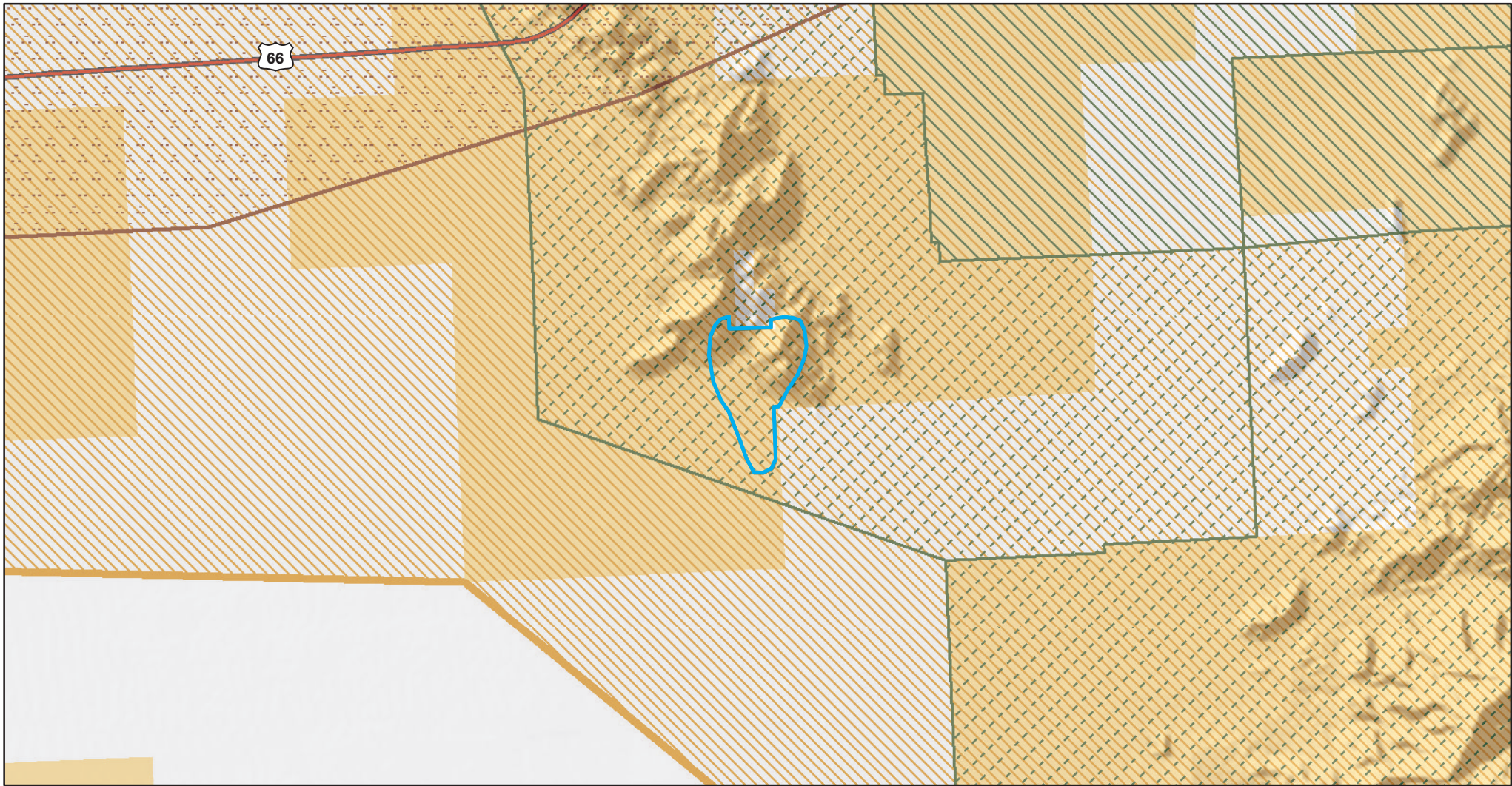


Marble Mountain Fossil Bed Alternative 2

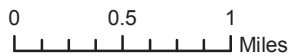
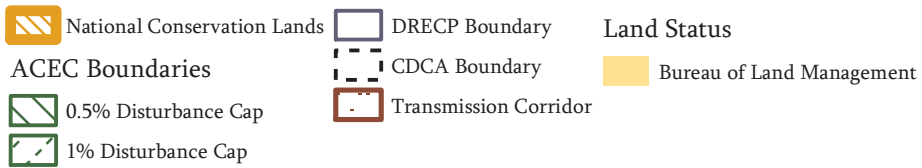
8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

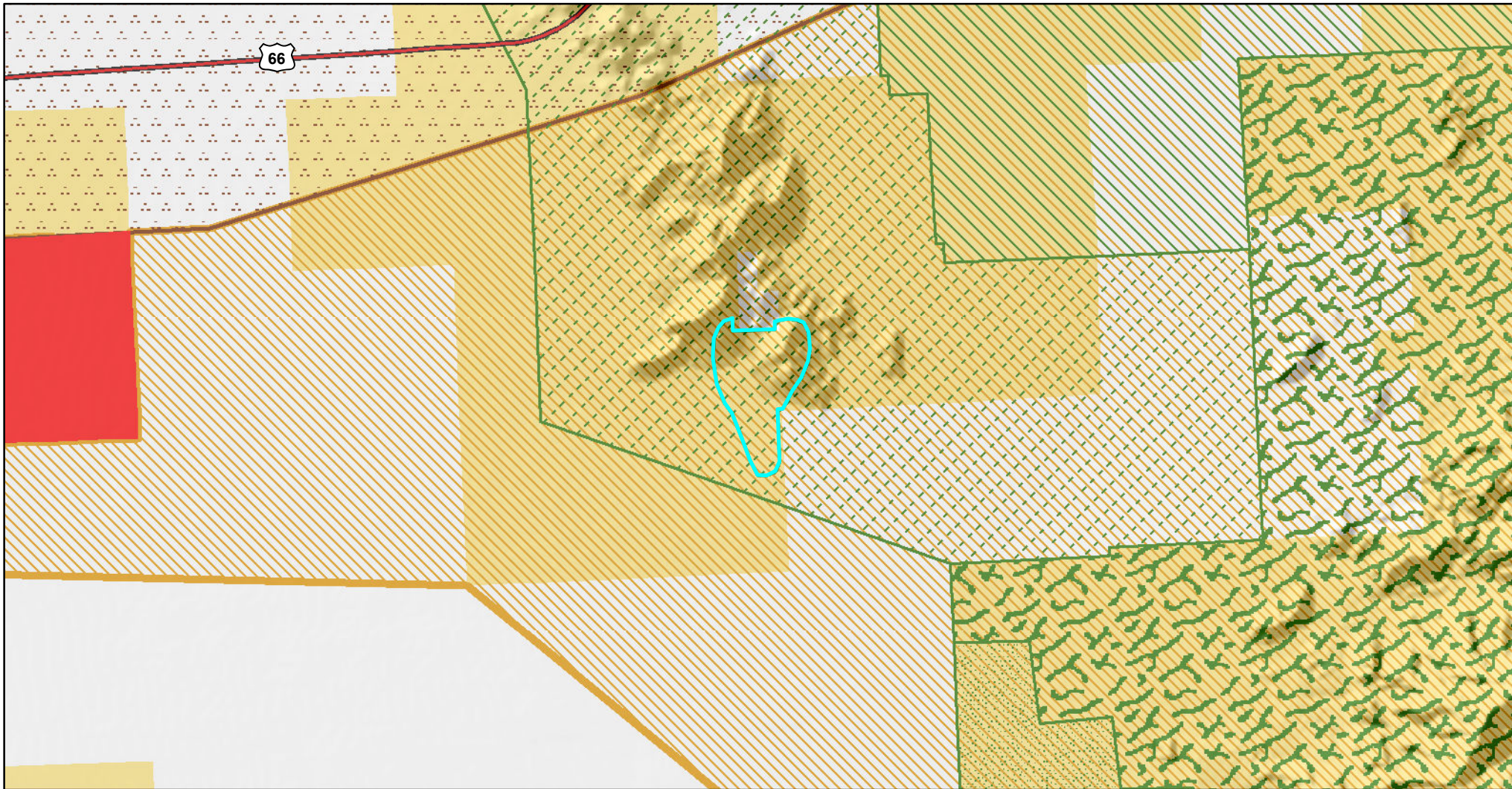


Marble Mountain Fossil Bed Alternative 3

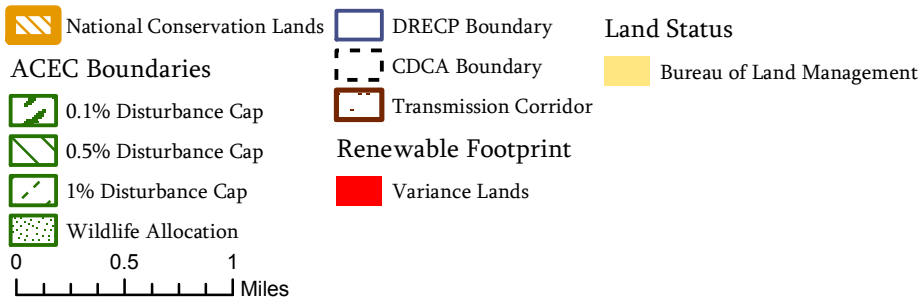
8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

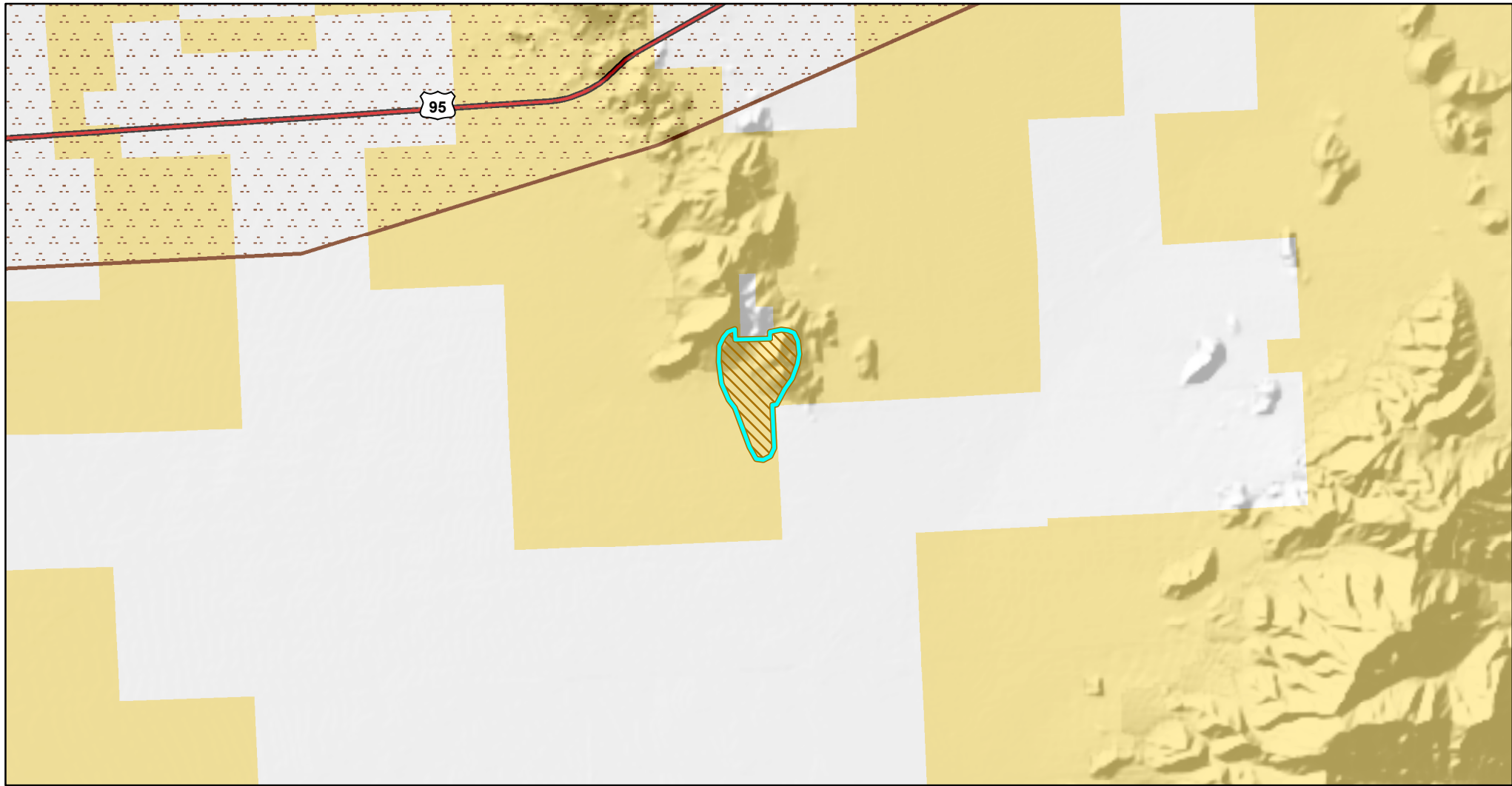


Marble Mountain Fossil Bed Alternative 4

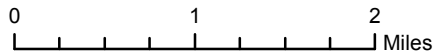
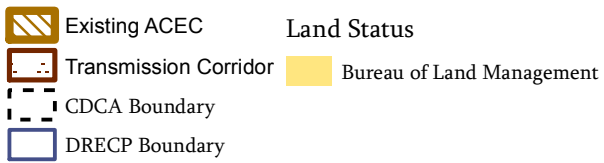
8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

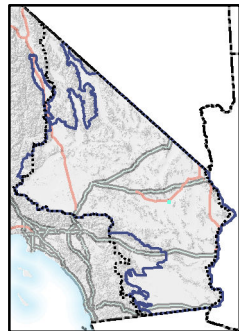


Marble Mountain Fossil Bed

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Mojave Fringed-toed Lizard

National Conservation Lands Ecoregion: Mojave and Silurian Valley, Pinto Lucerne Valley and Eastern Slopes, South Mojave-Amboy, and West Desert and Eastern Slopes

Description/Location: This ACEC consists of 10 separate units, 8 of which are in the Barstow FO, and one each in Ridgecrest and Needles. The unit in Needles Field office is in San Bernardino County, bounded by the Sheephole Mountains on the northeast and east, California Highway 62 on the south, the Pinto Mountains on the southwest, and Dale Dry Lake on the northwest (part of this unit crosses into Barstow Field Office). The unit in Ridgecrest FO is south of Edwards Airforce Base approximately 5 miles. The remaining units are in the Barstow Field office and are located in the vicinity of the Mojave River. They start east of Barstow and run east northeast south of Interstate 15 and end just before Afton Canyon ACEC.

Nationally Significant Values:

Ecological: These units have active and functioning ecological process of sand transport by flooding followed by sand sorting into smaller particle sizes and deposition onto occupied habitat by wind and must be maintained where these processes are still present. Sand dune ecosystems, including their source sand and sand corridors, are necessary for the long-term survivorship of aeolian sand specialists, such as, fringe-toed lizards and several plant species. These areas protect this limited habitat type. Protected land includes areas for source sand, wind and sand corridors, as well as the sand dune habitat and its associated shade plants.

Special Designations/Management Plan/Date: ACEC established in the 2006 West Mojave Plan

Relevance and Importance Criteria: Relevant Biological and geological values and processes.

Biological: The conservation of the Mojave fringe-toed lizard requires protection of the dune, hummock, and sand sheet habitat occupied by this species as well as of the sand sources and sand transport. The Mojave Fringe-toed Lizard (*Uma scoparia*) is endemic to southern California and a small area of western Arizona, where it is restricted to aeolian sand habitats in the desert. These units represent regionally important habitat. Mojave Fringe-toed Lizards are restricted to areas with fine, aeolian sand including both large and small dunes, margins of dry lakebeds and washes, and isolated pockets against hillsides.

National Historic and Scenic Trails: This unit overlaps a portion of the Old Spanish Trail.

Recreation Area: This unit overlaps with the Crucero Valley ERMA.

Grazing Allotment: This unit overlaps with the Cady Mountain Allotment.

Lands with Wilderness Characteristics: This unit contains 3833 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

Overarching Goals: Conservation of blow sand and Dune Habitat of Mojave Fringe-toed Lizard and sensitive plan species.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

Designation and Acreage by Alternative:

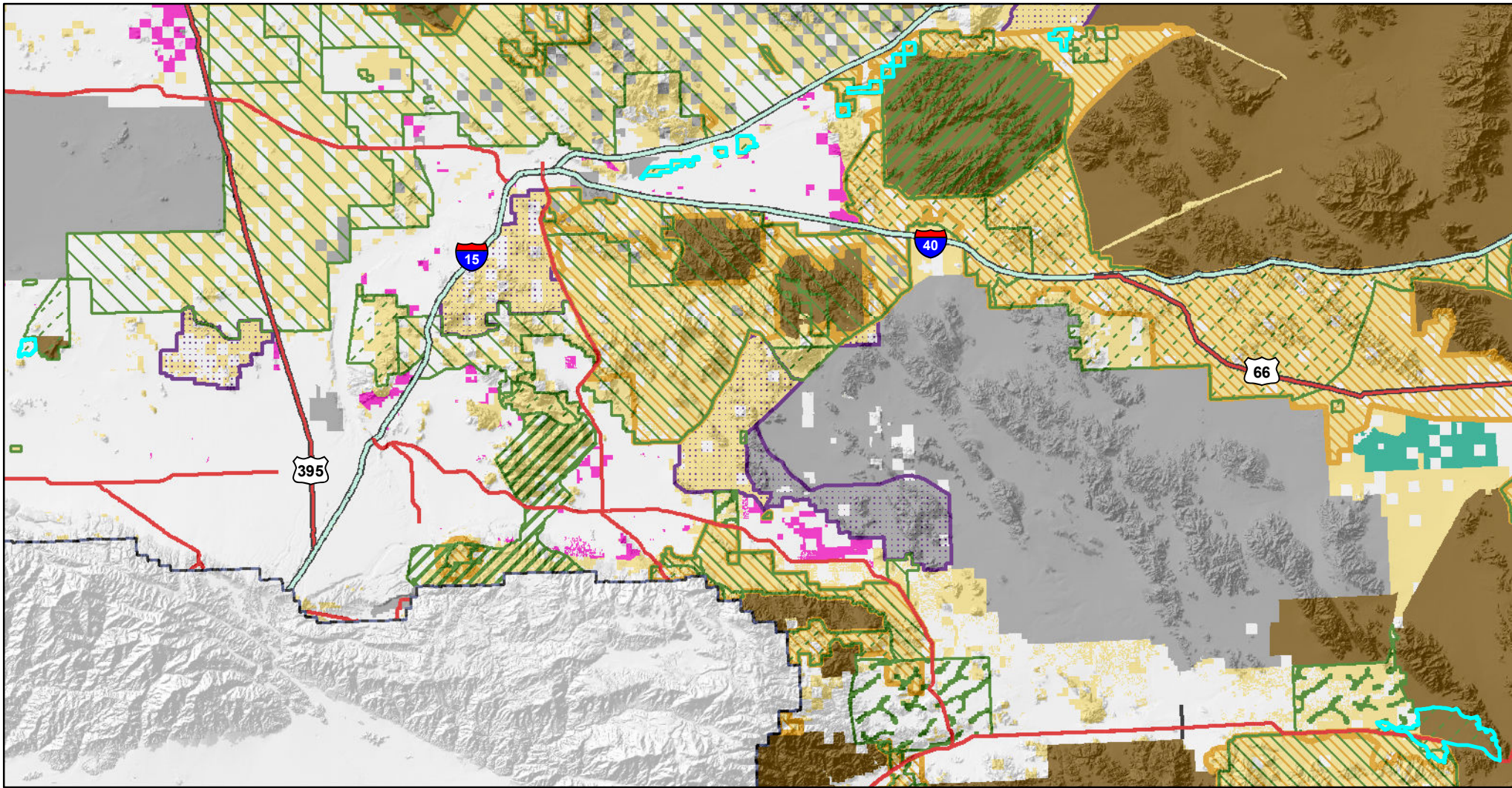
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	22,200	0	
Preferred Alternative	5,793	22,442	0	1%
1	1,500	22,200	0	1%
2	22,200	22,200	0	0.5%, 1%
3	3,700	22,200	0	0.5%, 1%
4	6,200	22,200	0	0.5%, 1%

* Acreage values are for BLM managed lands

Objectives (desired future conditions)/Allocations/Management Actions	Resource
<p>Objective: Manage the ACEC in a manner that would insure the best long-term protection for sensitive plant species</p> <p>The following rare species are present in the ACEC:</p> <p>Borrego Milk-Vetch (<i>Astragalus lentiginosus</i> var. <i>borreaganus</i>)</p> <p>Ribbed Cryptantha (<i>Cryptantha costata</i>)</p> <p>Harwood's Eriastrum (<i>Eriastrum harwoodii</i>) (CNPS 1B.2)</p> <p>Objective: Protect and enhance sensitive plant populations</p>	Vegetation - Including special status species

<p>Management Actions:</p> <ul style="list-style-type: none"> • Protect viable populations on public land throughout the range • Protect sand transport system which provides input into dune systems • Control invasive weedy plants such as Sahara mustard (<i>Brassica tournefortii</i>) which may degrade dune habitat quality for sensitive plant species 	
<p>Objective: Manage for the protection of Mojave Fringe-toed Lizard (<i>Uma scoparia</i>)</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Survey for Mojave Fringe-toed Lizard, identify current occupied and potential habitat • Protect viable populations on public land throughout the range • Protect sand transport system which provides input into dune systems • Control invasive weedy plants such as Sahara mustard (<i>Brassica tournefortii</i>) which may degrade dune habitat quality for Mojave Fringe-toed Lizard 	Fish and Wildlife - Including special status species
<p>Objective: General Management and Protection of Paleontological Resources</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Manage and protect fossil resources consistent with the Paleontological Resources Preservation Act • Develop plans for the inventory, monitoring, and scientific and educational use of paleontological resources as needed 	Paleontology
<p>Objective: Protect Mojave Fringe-toed Lizard from impacts associated with vehicle traffic</p> <p>Allocations: All vehicle traffic limited to designated roads and trails</p> <p>Management Actions:</p> <ul style="list-style-type: none"> • Establish no new routes in ACEC • Modify the WEMO Route Network to reflect open routes through the ACEC and close other existing unauthorized routes 	Trails and Travel Management
<p>Objective: Inform the public of the importance of the ACEC</p> <p>Management Actions: Install interpretive signs at access points to the</p>	Recreation

ACEC, conduct public education efforts concerning OHV use in the desert	
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights-of-Way
<p>No development</p> <p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allocations:</p> <ul style="list-style-type: none"> • Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria • ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation. 	Renewable Energy
<p>Objective: Protect Mojave Fringe-toed Lizard from mining activities</p> <p>Allocations:</p> <ul style="list-style-type: none"> • Closed to all new mineral entry • No surface occupancy 	<p>Locatable Minerals</p> <p>Mineral Materials</p> <p>Non-Energy Leasables</p>
<p>Objective: Protect Mojave Fringe-toed Lizard from grazing activities</p> <p>No Action: Allowable Uses: Existing allotment is authorized</p> <p>All Action Alternatives: A part of this ACEC is within the Cady Mountain grazing allotment. This allotment shall be permanently closed to livestock grazing through the DRECP process.</p>	Livestock grazing



Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

0.1% Disturbance Cap

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

OHV Boundary

Renewable Footprint

Development Focus Areas

Variance Process Lands

Land Status

Bureau of Land Management

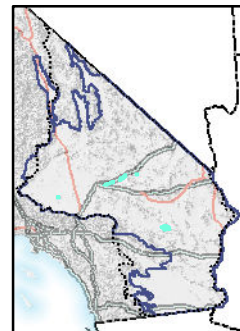
Department of Defense

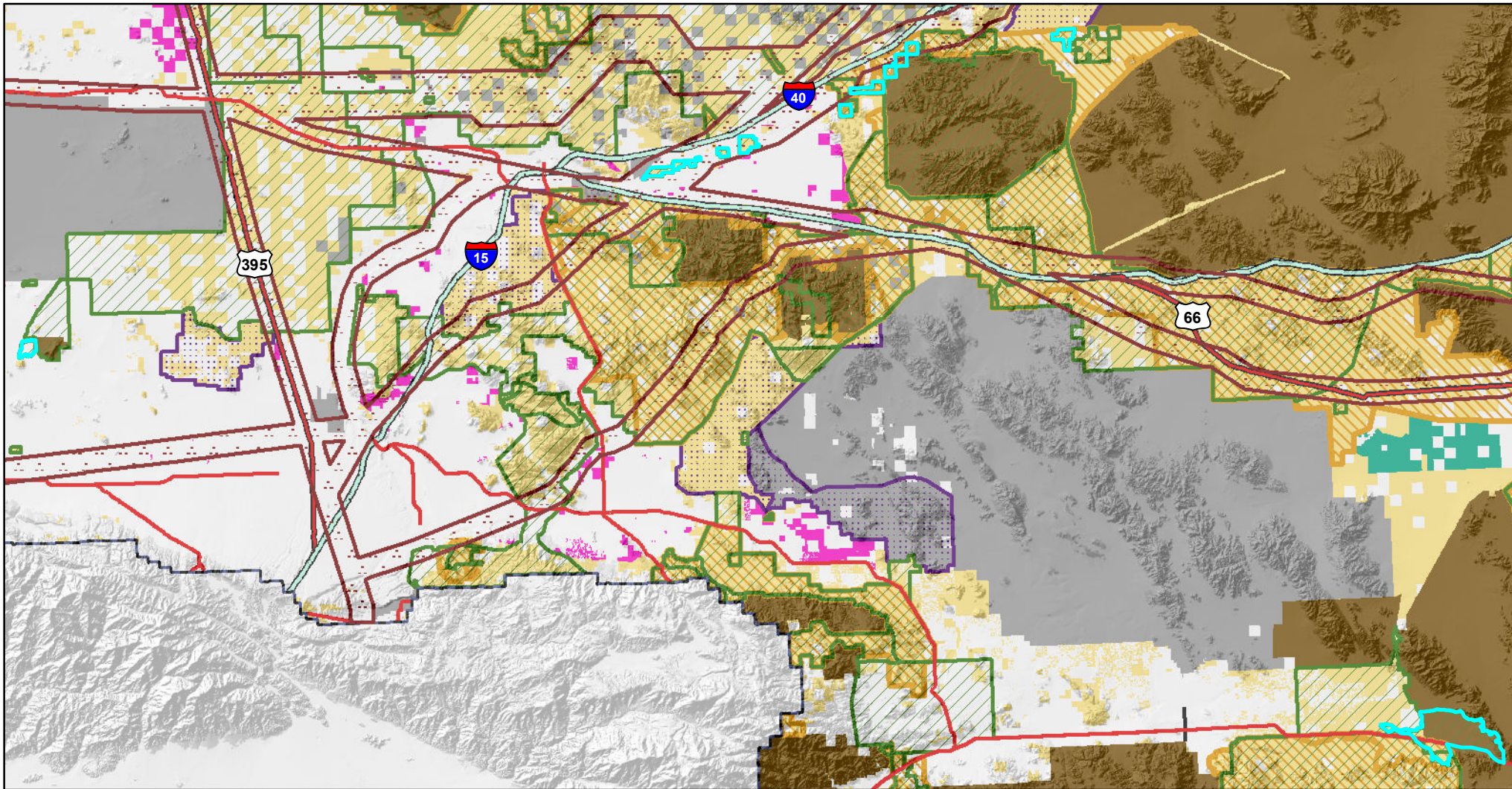
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Miles

Mojave Fringe-toed Lizard

9/1/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

Renewable Footprint

- Development Focus Areas
- Variance Process Lands

Land Status

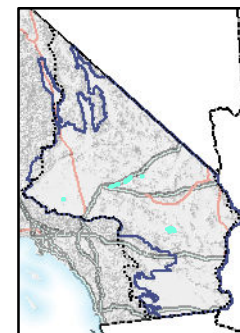
- Bureau of Land Management
- Department of Defense

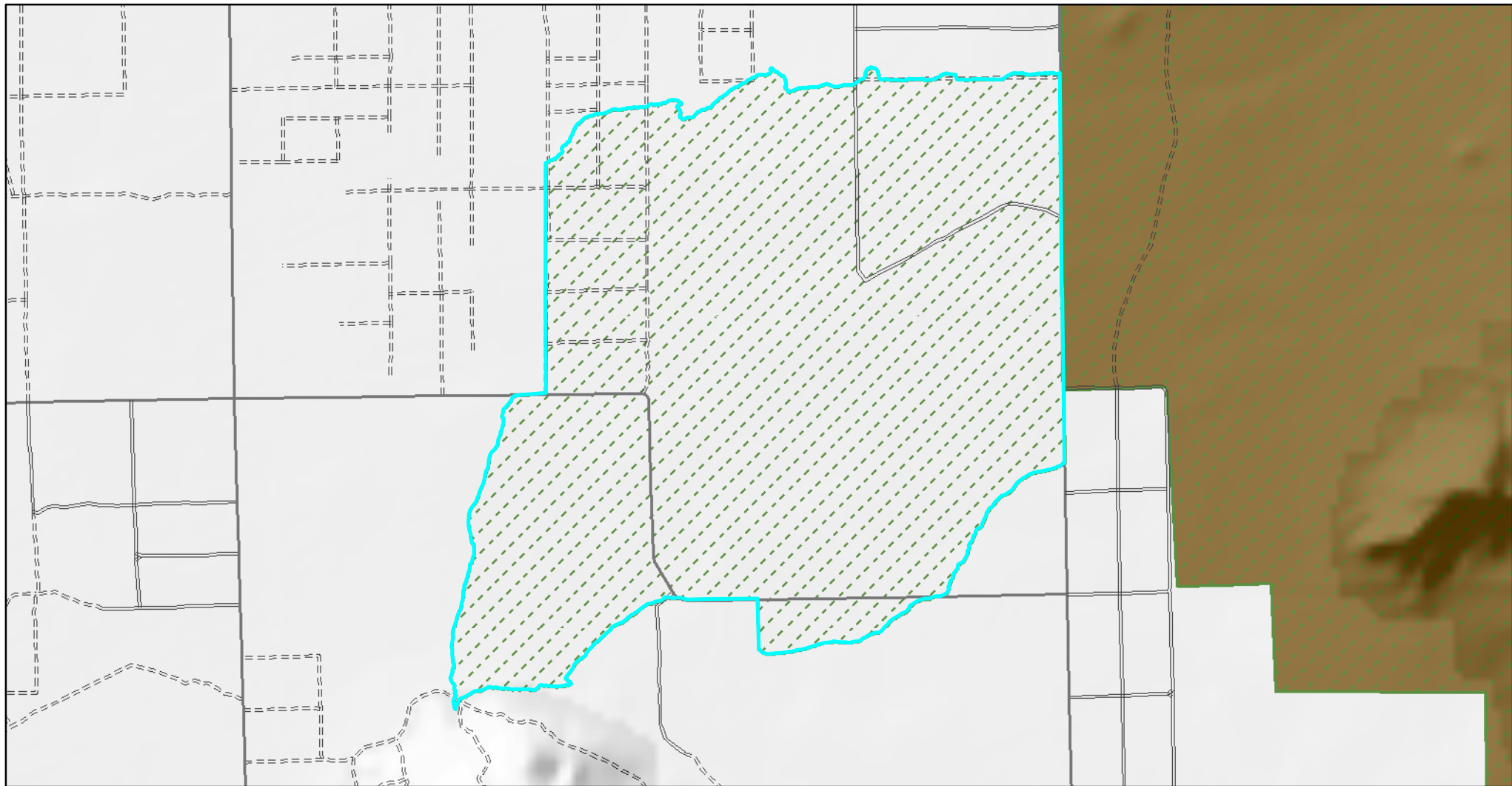
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Mojave Fringe-toed Lizard

9/1/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

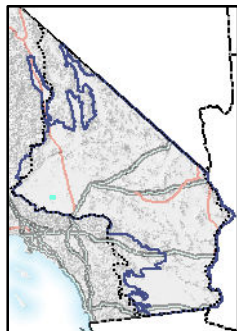
- Legislatively & Legally Protected Areas
- DRECP Boundary
- CDCA Boundary
- 1% Disturbance Cap
- ACEC Boundaries

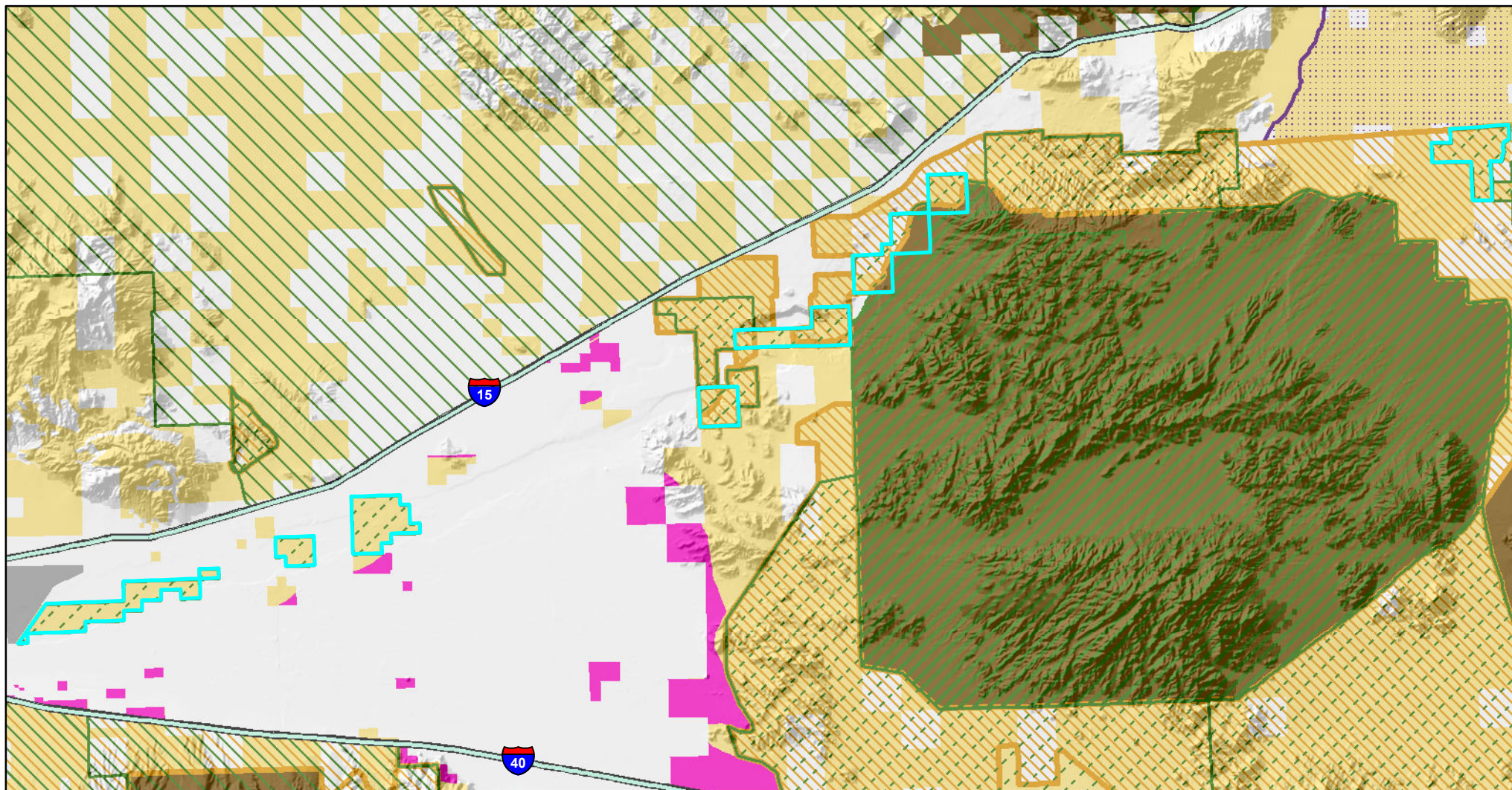
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Miles

Mojave Fringe-toed Lizard

6/25/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 2 4 Miles

DRECP Boundary

CDCA Boundary

OHV Boundary

Renewable Footprint

Development Focus Areas

Land Status

Bureau of Land Management

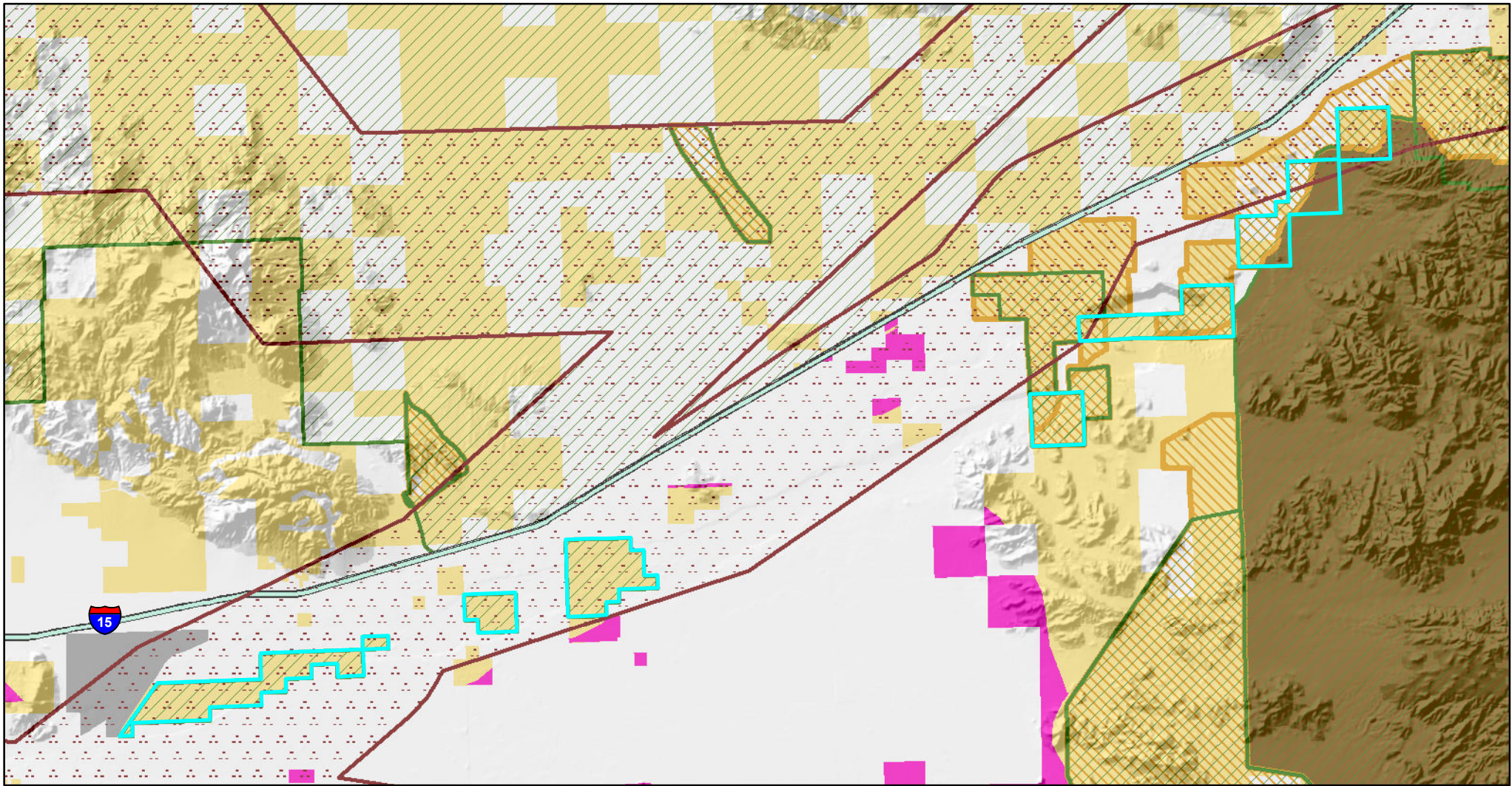
Department of Defense

Mojave Fringe-toed Lizard

6/25/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands
- Proposed ACEC
- DRECP Boundary
- CDCA Boundary
- Transmission Corridor

Renewable Footprint

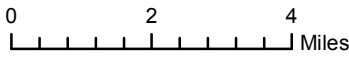
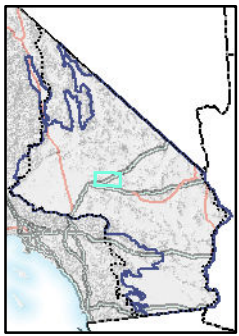
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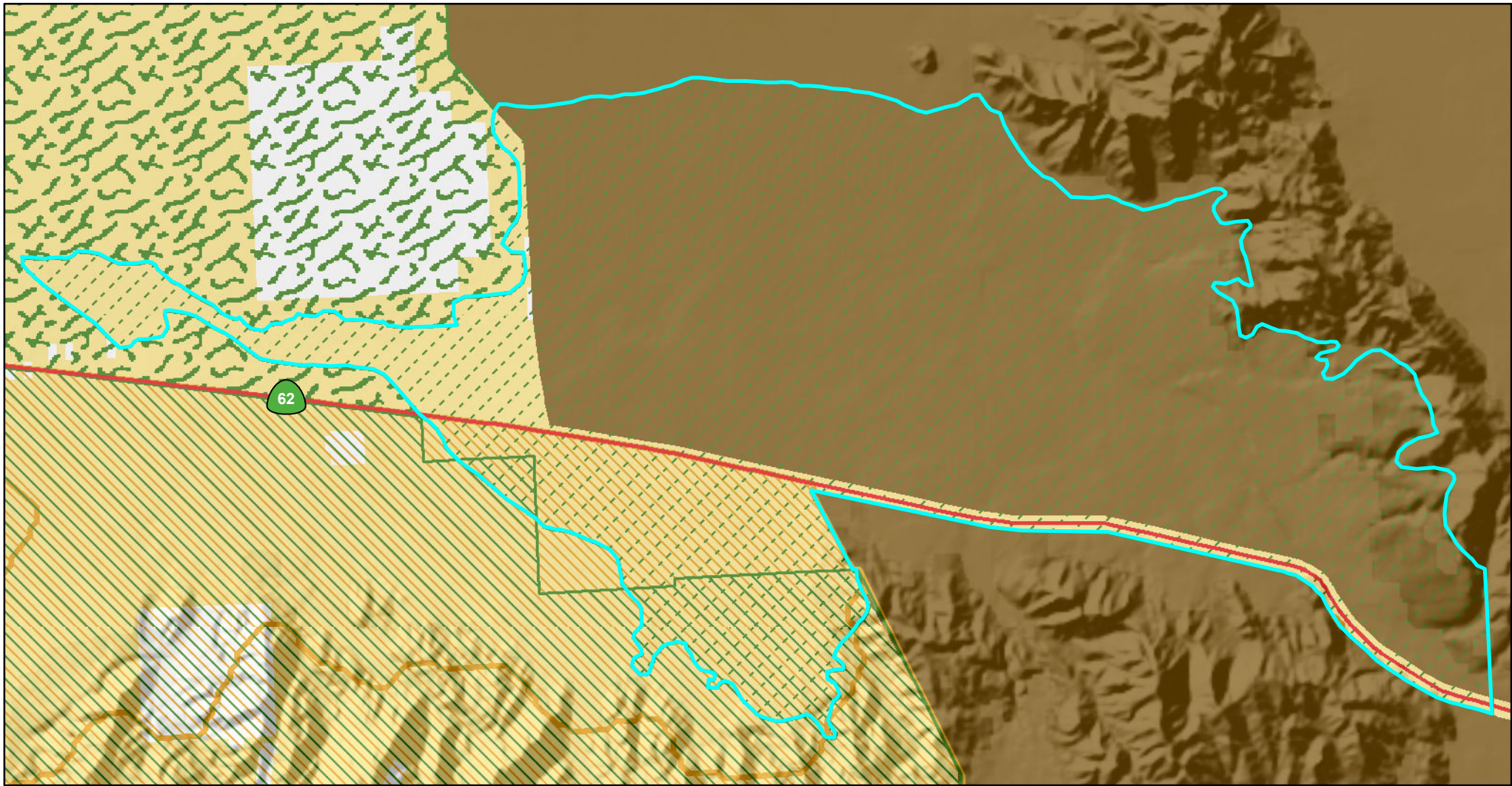
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- Bureau of Land Management
 - Department of Defense

Mojave Fringe-toed Lizard

7/14/2015

Draft Map Boundaries Subject to Change






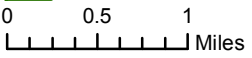


Conservation Footprint

- | | | |
|---|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status |
|  National Conservation Lands |  CDCA Boundary |  Bureau of Land Management |

ACEC Boundaries

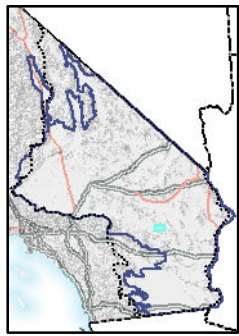
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-  0.5% Disturbance Cap
-  1% Disturbance Cap

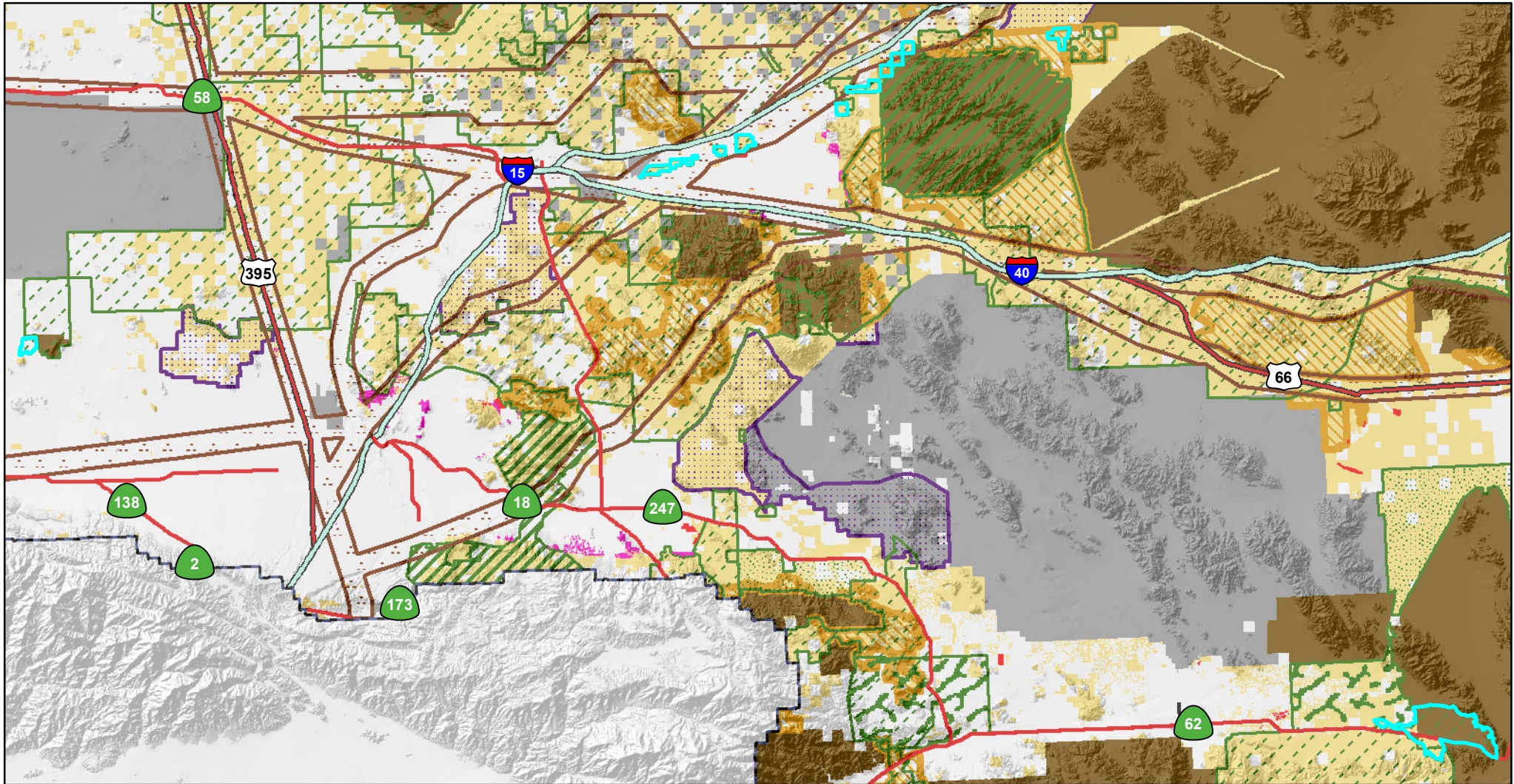


Mojave Fringe-toed Lizard

6/25/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands

ACEC Boundaries

- 0.1% Disturbance Cap
- 0.25% Disturbance Cap
- 1% Disturbance Cap
- Wildlife Allocation

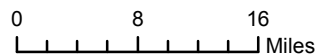
- DRECP Boundary
- CDCA Boundary
- Transmission Corridor
- OHV Boundary

Renewable Footprint

- Development Focus Areas
- Variance Lands

Land Status

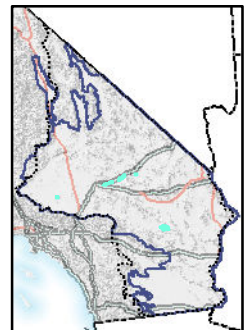
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- Department of Defense

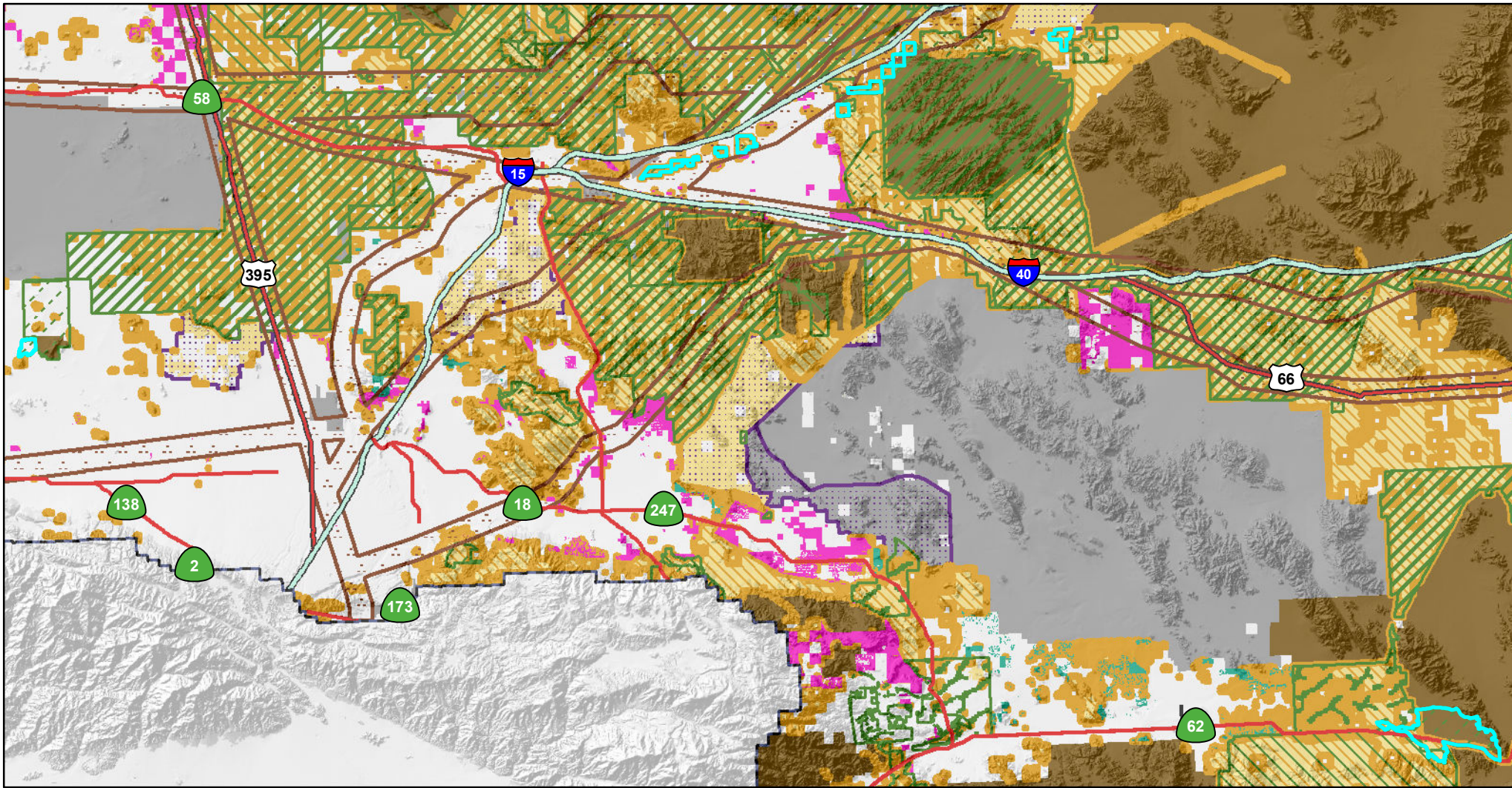


Mojave Fringe-toed Lizard Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

0.1% Disturbance Cap

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

Renewable Footprint

Development Focus Areas

Future Assessment Areas

Land Status

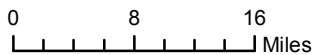
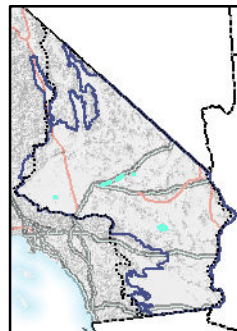
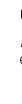
Bureau of Land Management

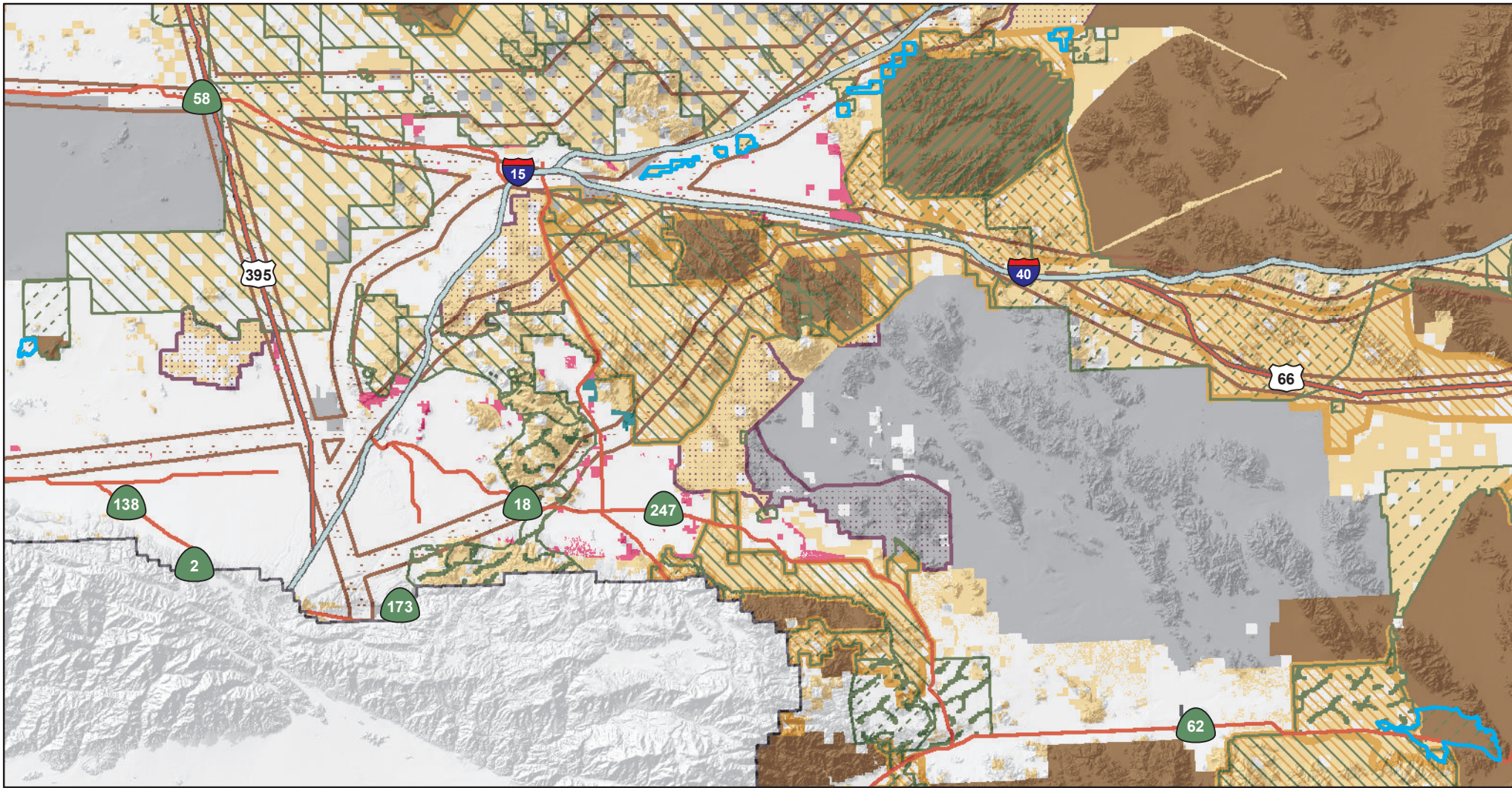
Department of Defense

Mojave Fringe-toed Lizard Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

0.1% Disturbance Cap

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

OHV Boundary

Renewable Footprint

Development Focus Areas

Future Assessment Areas

Land Status

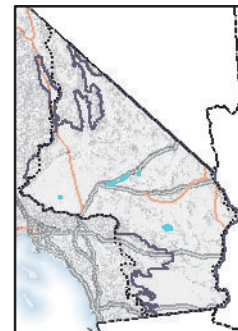
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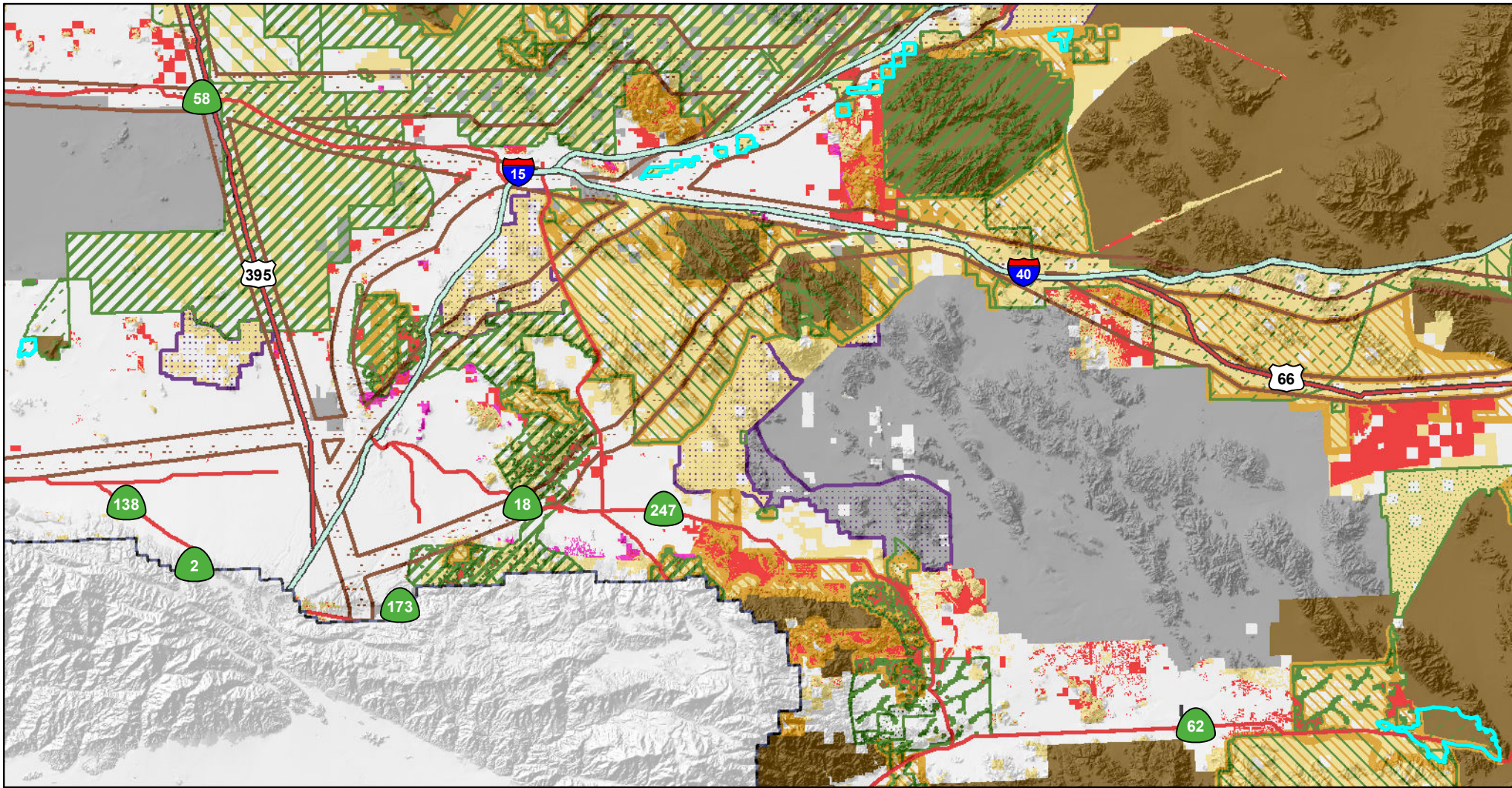
Department of Defense

Mojave Fringe-toed Lizard Alternative 3

8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

- | | |
|---|-----------------------------|
| Legislatively & Legally Protected Areas | National Conservation Lands |
| ACEC Boundaries | DRECP Boundary |
| 0.1% Disturbance Cap | CDCA Boundary |
| 0.25% Disturbance Cap | OHV Boundary |
| 0.5% Disturbance Cap | Transmission Corridor |
| 1% Disturbance Cap | |
| Wildlife Allocation | |

0 4 8
Miles

Renewable Footprint

- | |
|-------------------------|
| Development Focus Areas |
| Variance Lands |

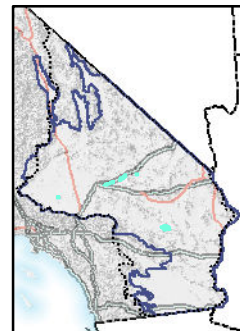
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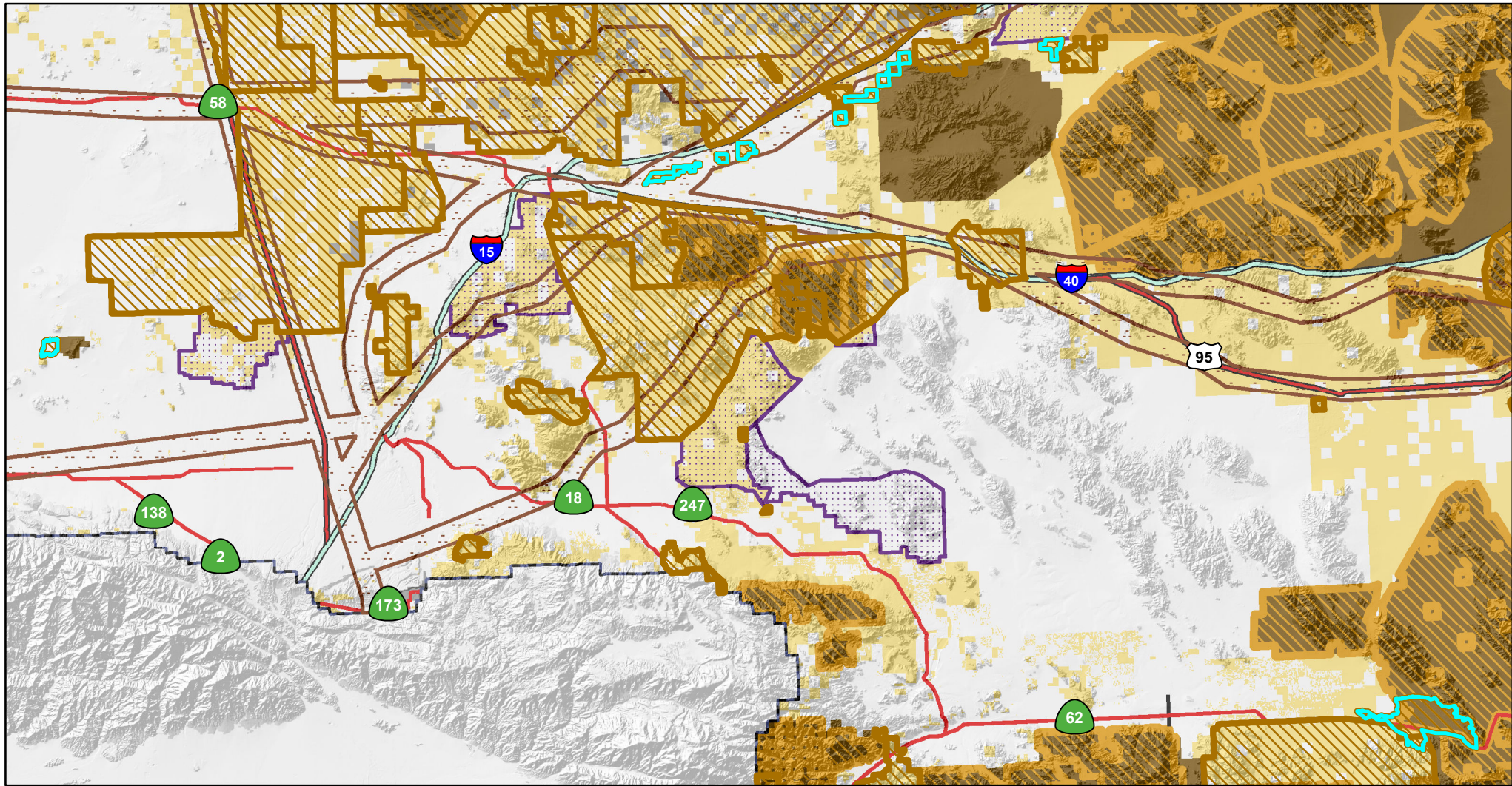
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|---------------------------|
| Bureau of Land Management |
| Department of Defense |

Mojave Fringe-toed Lizard Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

- | | |
|-----------------------|---|
| Existing ACEC | National Conservation Lands |
| Transmission Corridor | OHV Boundary |
| CDCA Boundary | Legislatively & Legally Protected Areas |
| DRECP Boundary | |

Land Status

- | | |
|---------------------------|-----------------------|
| Bureau of Land Management | Department of Defense |
|---------------------------|-----------------------|

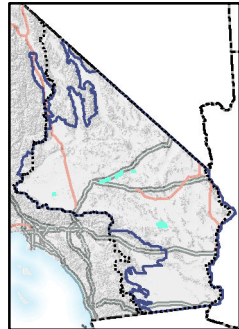
Mojave Fringe-toed Lizard

No Action

9/15/2015

Draft Map Boundaries Subject to Change

0 10 20
Miles



Pisgah Research Natural Area

National Conservation Lands Ecoregion: Mojave and Silurian Valley and South Mojave-Amboy

Description/Location: This ACEC is situated along Interstate 40 south of the Cady Mountains, west of Mojave National Preserve and east of Ord-Rodman DWMA. This ACEC would be expanded under all alternatives.

Nationally Significant Values:

Ecological: This area provides high density Desert tortoise habitat and encompasses designated desert tortoise critical habitat. This area provides regionally important tortoise habitat linkage which provides landscape connectivity. Relevant biological resources including wildlife and plant assemblages. The area is critical for bighorn sheep, golden eagles, desert tortoise, prairie falcons, Mojave fringed-toed lizards and several other species. Additionally, numerous rare and sensitive plants have major populations here, including white-margined beardtongue (*Penstemon albomarginatus*), making the area regionally significant. This area contains an unusual invertebrate assemblage associated with lava tubes – some species may not yet have been described by scientists.

Special Designations/Management Plan/Date: Established in WEMO, March 2006.

Relevance and Importance Criteria: Relevant biological resources including wildlife and plant assemblages. The area is critical for bighorn sheep, golden eagles, desert tortoise, prairie falcons, Mojave fringed-toed lizards and several other species. Additionally, numerous rare and sensitive plants have major populations here, including white-margined beardtongue and crucifixion thorn (*Castela emoryi*), making the area regionally significant. Stabilized sand dunes are an important geomorphic feature of the area. The area provides critical links for wildlife populations to the north and south of this linkage area.

Expansion Area: The expansion area has the following Relevance and Importance Criteria making it worthy of inclusion into the ACEC. The area provides habitat and supports important populations of several BLM sensitive plants. The area provided habitat and supports regionally important populations of desert tortoise between tortoise populations. This area contains an unusual invertebrate assemblage associated with lava tubes – some species may not have been described yet by scientists.

Overarching Goals: Protect biological values, including habitat quality, populations of sensitive species, and landscape connectivity while providing for compatible public uses.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

Designation and Acreage by Alternative:

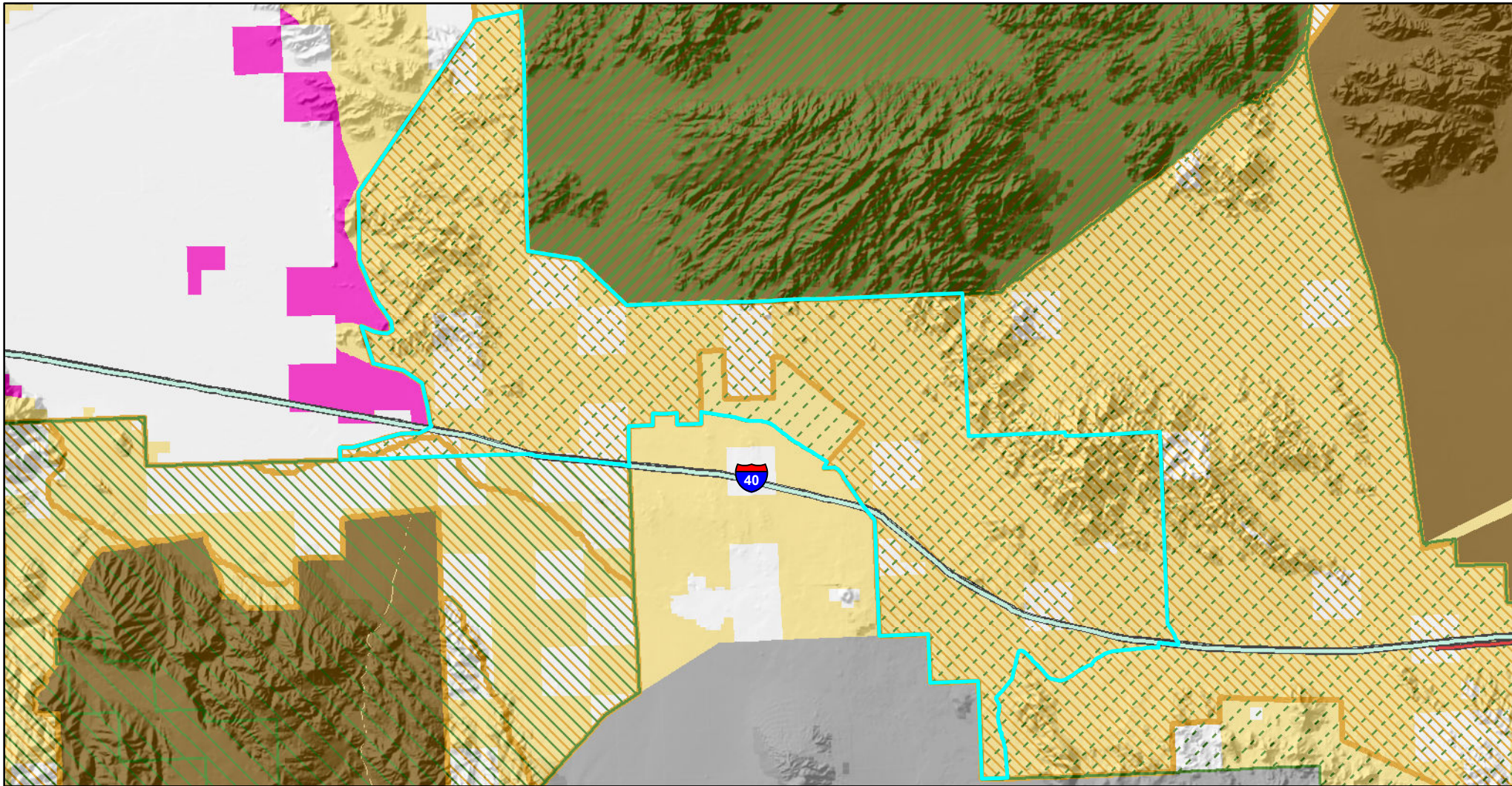
Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	18,100	0	NA
Preferred Alternative	42,055	42,055	0	1%
1	20,500	43,400	0	1%
2	40,400	40,400	0	1%
3	42,400	46,400	0	1%
4	15,400	28,200	0	1%

*** Acreage values are for BLM managed lands**

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Maintain or improve condition of habitat for sensitive plants</p> <p>Management Action 1: Remove invasive plants, rehabilitate/revegetate disturbed areas</p> <p>Management Action 2: Protect populations of special status plants including White-margined penstemon (<i>Penstemon albomarginatus</i>) by fencing as appropriate</p> <p>Management Action 3: Sign large populations of Crucifixion Thorn to notify campers that firewood harvesting is prohibited</p>	Vegetation - Including special status species
<p>Objective: Maintain or improve condition of habitat for sensitive wildlife</p> <p>Sensitive wildlife includes:</p> <ul style="list-style-type: none"> Golden Eagle Burrowing owl Bighorn sheep American badger Bendires' thrasher Mojave fringe-toed lizard <p>Management Action 1: Maintain viable populations and connections between other conservation areas</p> <p>Management Action 2: Protect occupied habitat of the Mohave Fringe-towed Lizards by maintaining on-site habitat patches and protecting the sand</p>	Fish and Wildlife Including special status species

transport system which sustains these habitat patches	
Management Action 3: Conduct invertebrate inventory of the lava tubes	
<p>Objective: Protect sensitive habitat from impacts associated with vehicle traffic</p> <p>Allowable Uses: All vehicle traffic limited to designated roads and trails</p> <p>Management Action 1: Establish no new routes in ACEC</p> <p>Management Action 2: Management Action: Modify the WEMO Route Network to reflect open routes through the ACEC and close other existing unauthorized routes</p> <p>Management Action 3: Action: All legal open routes will be signed, all routes identified as closed will be rehabilitated/restored, restore all undesigned OHV routes</p> <p>Management Action 4: Fence known populations of white-margined beardtongue that are adjacent to open routs</p>	Trails and Travel Management
<p>Objective: Inform the public of the importance of the ACEC</p> <p>Management Action: Install interpretive signs at access points to the ACEC, conduct public education efforts concerning OHV use in the desert</p>	Recreation
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Protect resource values of the ACEC</p> <p>Management Action 1: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p> <p>Management Action 2: To the degree possible, new utility right-of-ways shall be sited as close together as practical given engineering specifications, human safety, and other limiting factors</p>	Rights of Way (ROW)
<p>No development</p> <p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy
<p>Objective: Protect White-margined penstemon from mining activities</p> <p>Management Action 1: Include stipulations to protect the White-margined</p>	<p>Locatable Minerals</p> <p>Mineral Materials</p>

<p>penstemon including not disturbing occupied habitat</p> <p>Management Action 2: Protect the lava and lava tubes.</p> <p>Management Action 3: Restrict mining and other permitted used from impacting the lava and lava tubes</p>	Non-Energy Leasables
<p>Objective: Protect desert tortoise from impacts associated with cattle grazing</p> <p>Management Action: There is a cattle allotment, the Cady Mountain Allotment, within this ACEC. This allotment is not grazed and shall be permanently retired through the DRECP process.</p>	Livestock grazing





Conservation Footprint


 Legislatively & Legally Protected Areas

 National Conservation Lands

ACEC Boundaries

 0.25% Disturbance Cap

 0.5% Disturbance Cap


 1% Disturbance Cap

0 2 4 Miles


 DRECP Boundary


 CDCA Boundary

Renewable Footprint

 Development Focus Areas

Land Status

 Bureau of Land Management

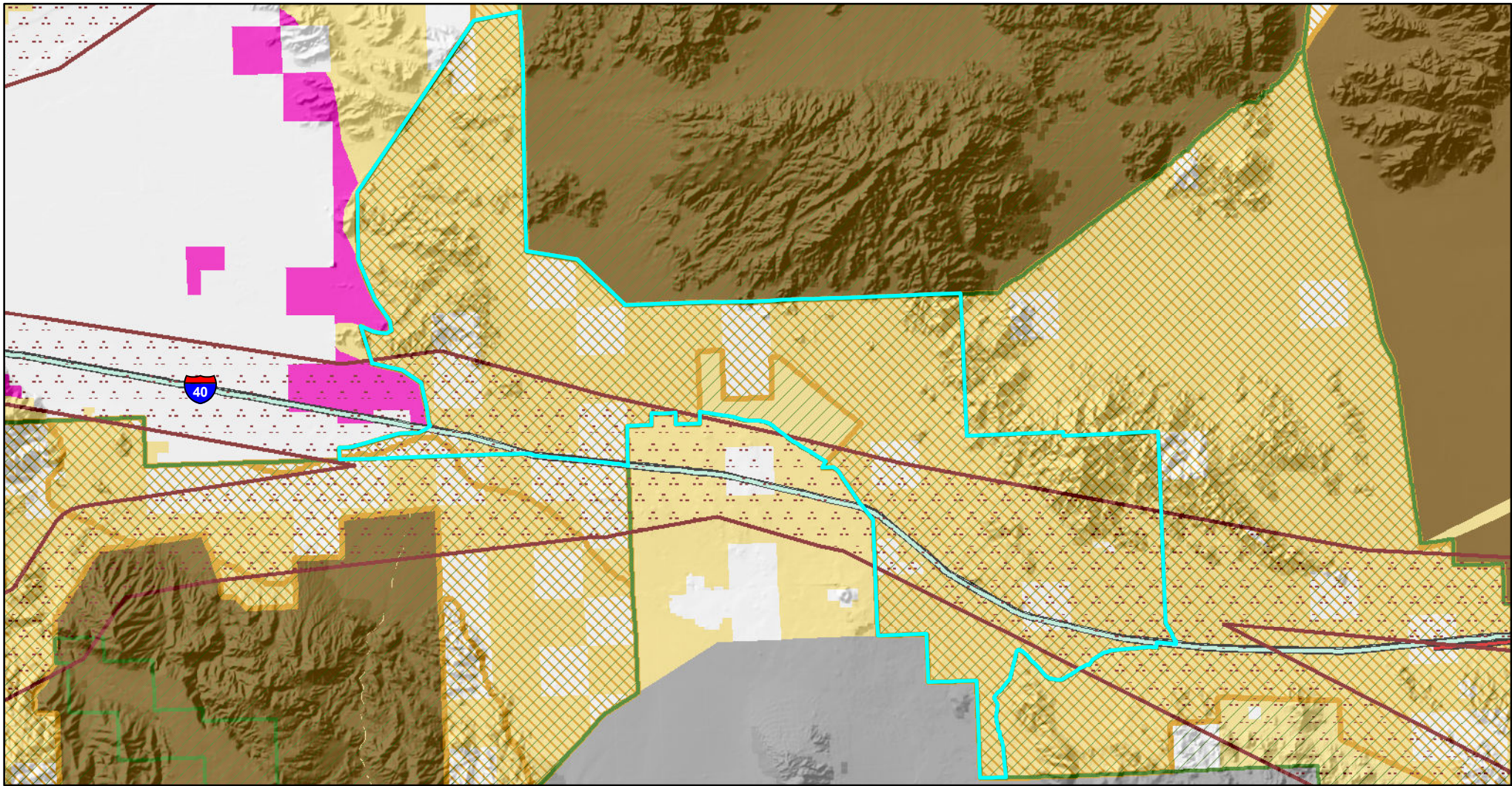
 Department of Defense

Pisgah




6/24/2015




Draft Map Boundaries Subject to Change





Conservation Footprint



-  Legislatively & Legally Protected Areas
-  National Conservation Lands
-  Proposed ACEC

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

Renewable Footprint

-  Development Focus Areas

Land Status

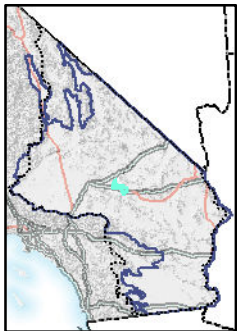
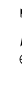
-  Bureau of Land Management
-  Department of Defense

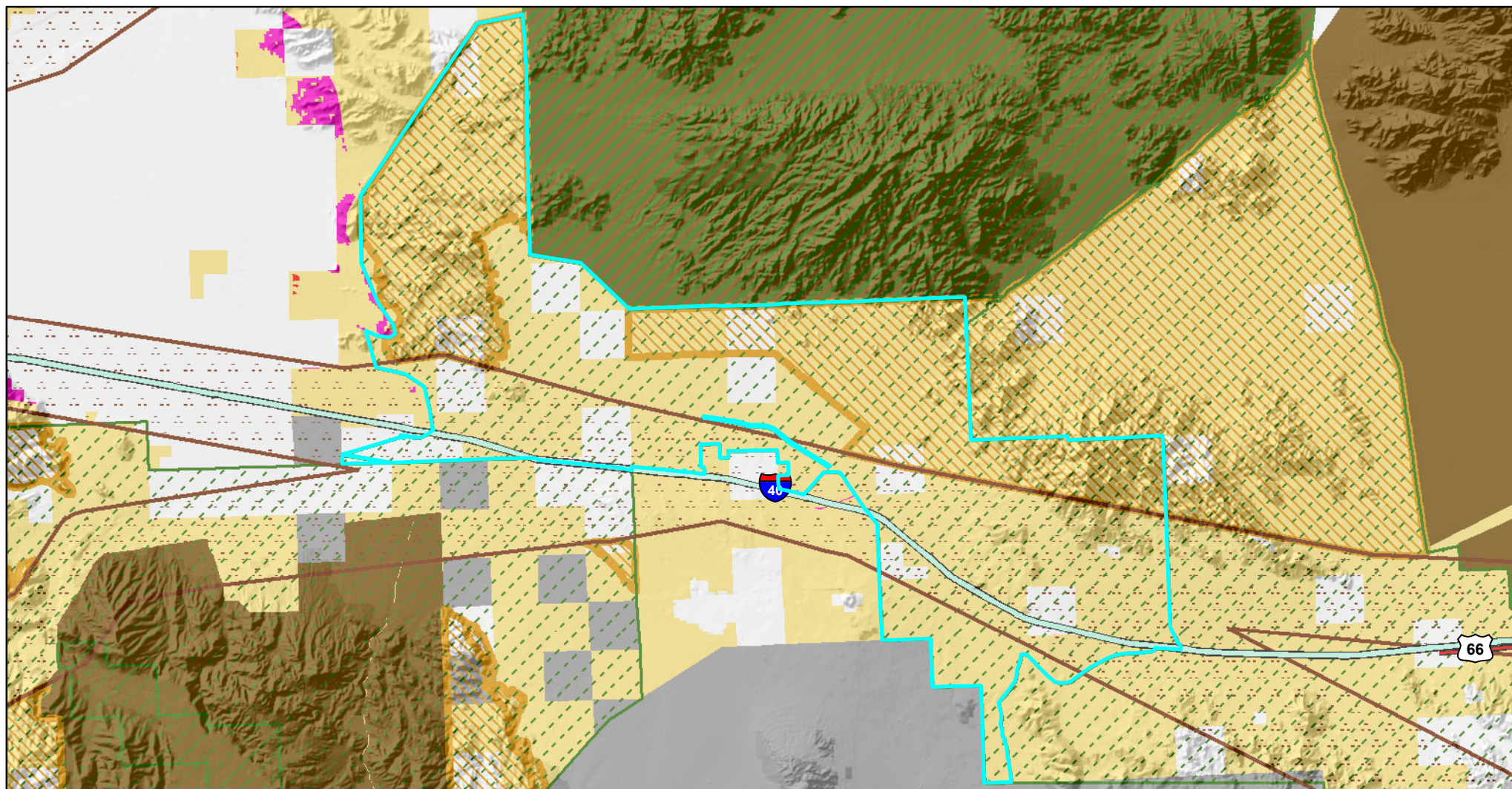
Pisgah

7/14/2015

Draft Map Boundaries Subject to Change

0 2 4
Miles





Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

0.25% Disturbance Cap

1% Disturbance Cap

DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Development Focus Areas

Variance Lands

Land Status

Bureau of Land Management

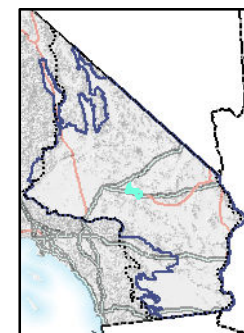
Department of Defense

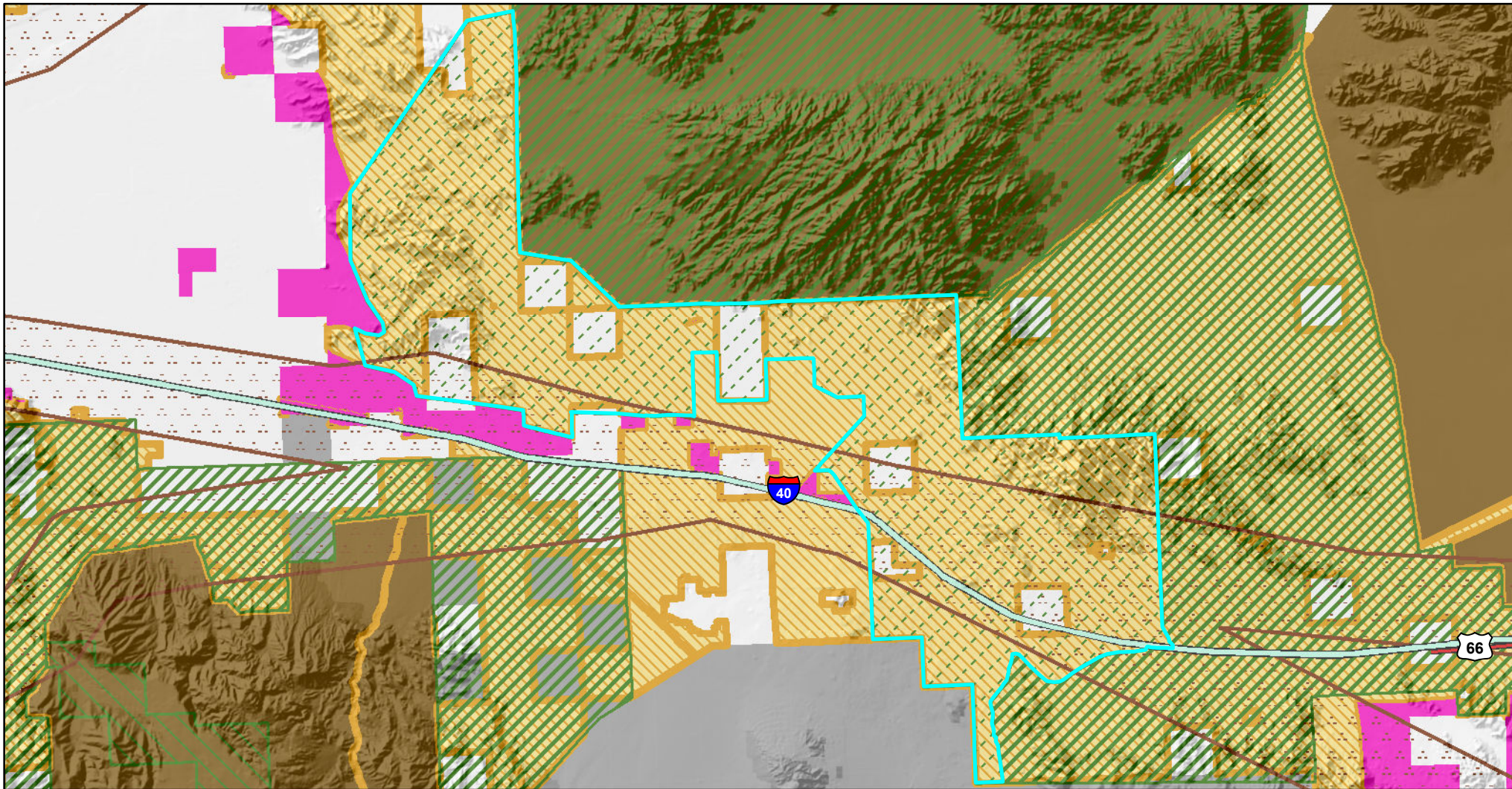
0 2 4 Miles

Pisgah Alternative 1

8/25/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 2 4 Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Development Focus Areas

Land Status

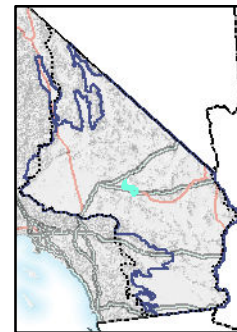
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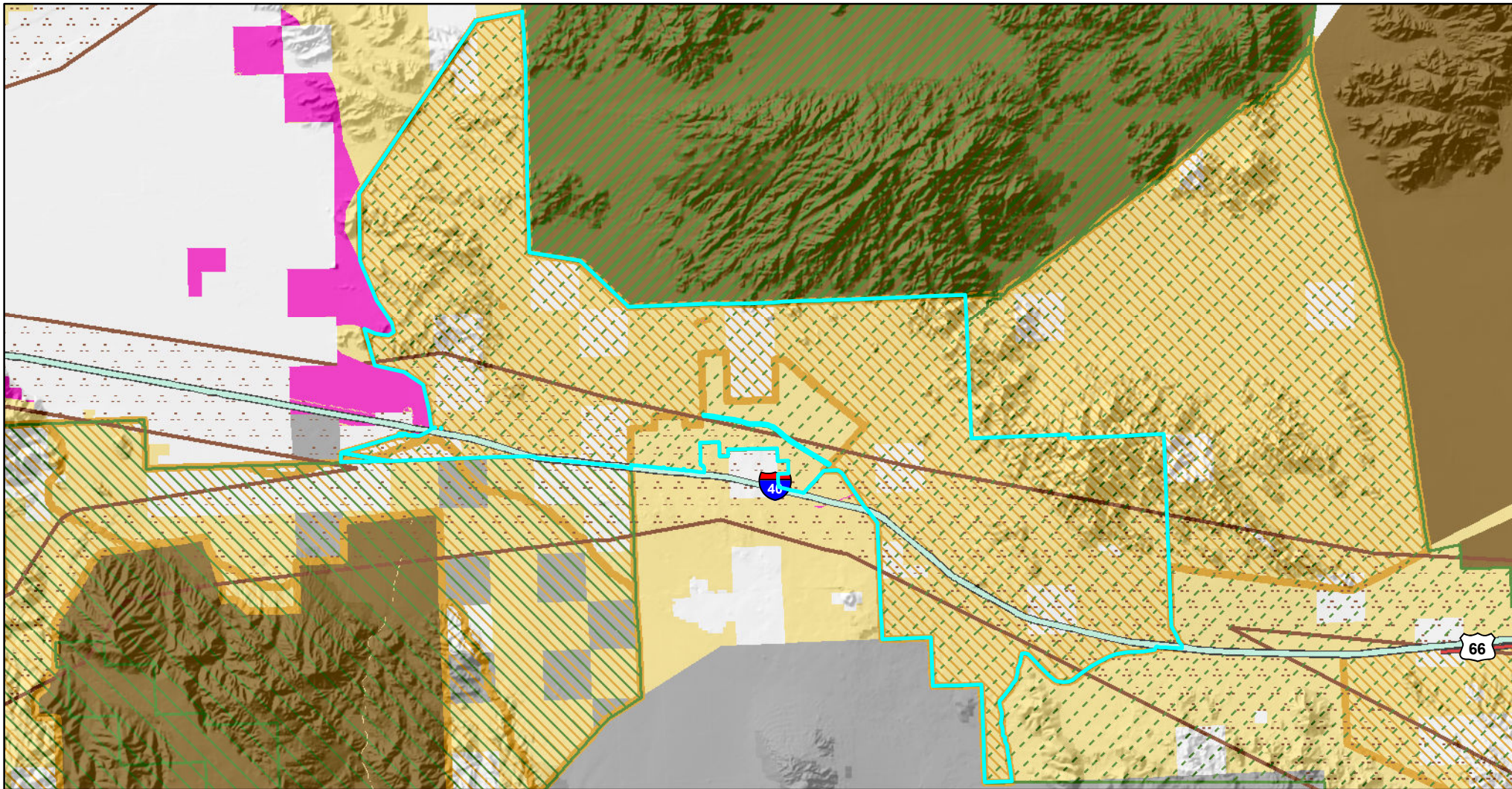
Department of Defense

Pisgah Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 1 2
Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Development Focus Areas

Land Status

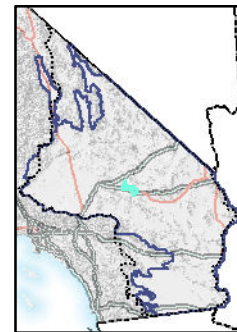
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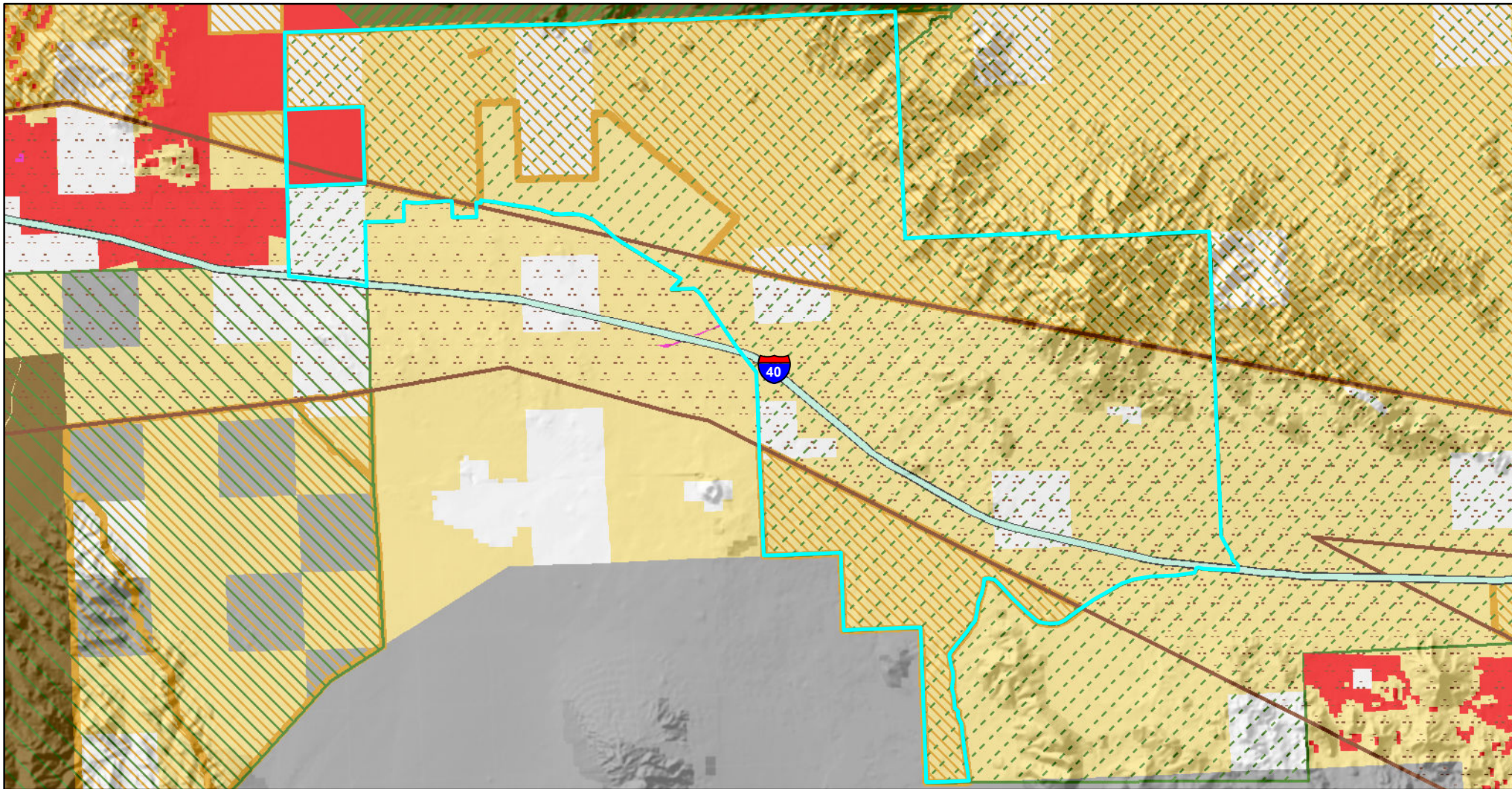
Department of Defense

Pisgah Alternative 3

8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

0.25% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 1 2 Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

Renewable Footprint

Development Focus Areas

Variance Lands

Land Status

Bureau of Land Management

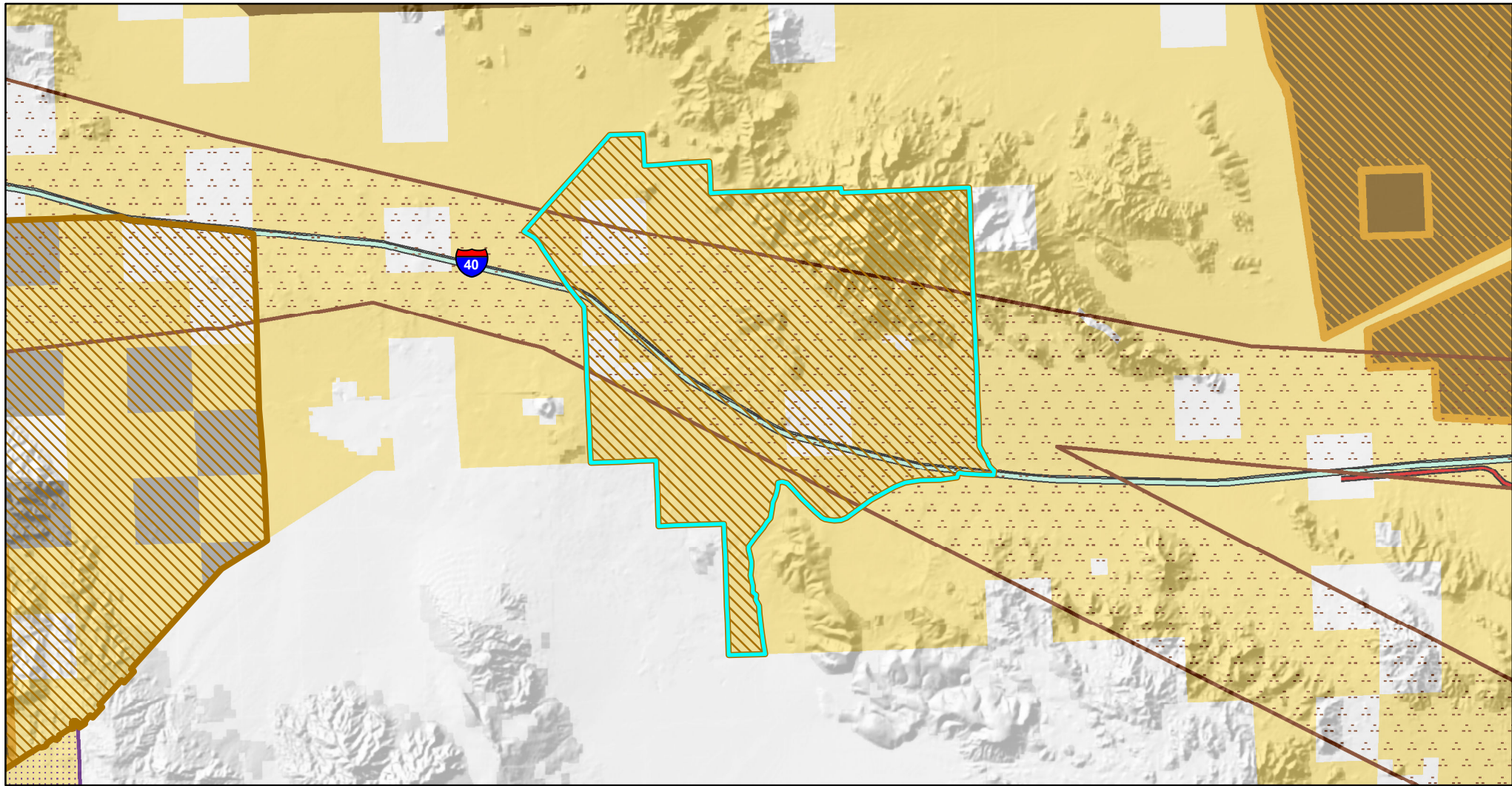
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Pisgah Alternative 4

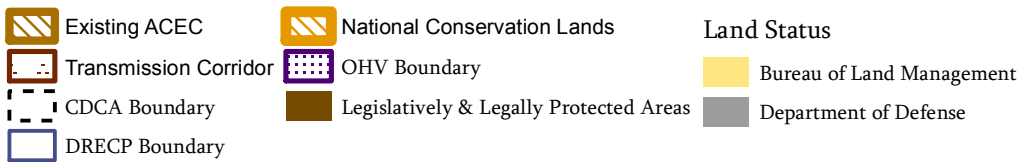
8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

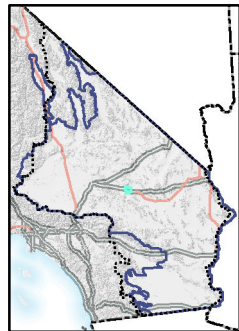
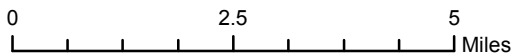


Pisgah

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Piute-Fenner

National Conservation Lands Ecoregion: Piute Valley and Sacramento Mountains; and South Mojave-Amboy

Description/Location: Located within the Piute Valley Tortoise Management Unit. It is contiguous with lands managed for viable Desert Tortoise populations to the west in Mojave National Preserve and to the east on public lands managed by the Las Vegas BLM Field Office.

Nationally Significant Values:

Ecological:

Vegetation is predominantly creosote bush desert scrub and desert wash scrub. The northern most occurrences of smoke trees in the California Desert Conservation Area (CDCA) are found within the area's washes. Wildlife is typical for the Mojave Desert; including a small herd of bighorn sheep, coyotes, black-tailed jackrabbits, ground squirrels, kangaroo rats, roadrunners, chucker, quail, prairie falcons, red-tailed hawks, golden eagles, rattlesnakes, and several species of lizards. The eastern and northeastern portions of the wilderness provide critical habitat for the threatened desert tortoise. Both the Piute Valley Smoke Tree Assemblage and the Homer Mountain Ocotillo Assemblage occur within this area.

Cultural:

In 1776, a Franciscan Friar, Father Garcés, served at the mission of Tucson, in present day Arizona. He accompanied Juan Bautista de Anza on two California expeditions, in an attempt to find a cross-country route to California. The group traveled west along the Gila Trail, or southern Santa Fe route, when Garcés left the travelers in Yuma, Arizona, and journeyed north along the Colorado River where he met both the Mojave and Chemehuevi Tribes. Garcés with the aid of a local native scout learned about, and utilized a western trade route which from the Colorado River ascended into the Dead Mountains to a spring site just north of the Mt. Manchester and continued west along what is known today as the Mojave Road. This route followed the Mojave River to the coast. Garcés continued to travel extensively throughout the Southwest until he was killed in a native American attack in Yuma, Arizona.

Piute Creek (Fort Piute) is located on the eastern side of the Piute Valley. The area includes Piute Spring and Piute Creek, one of the desert's few perennial watercourses, which makes the area rich in natural and cultural resources. The "fort" was an outpost on the Old Government Road in the 1860's and the area received considerable use by Native Americans prior to that time. Portions of the Old Government Road are recognizable and are used today. The route was proposed as a National Historic Trail in the California Desert Conservation Area (CDCA) Plan. The cultural resources including petroglyphs, trails and fort located in Piute Pass one mile inside the NPS Mojave Preserve Boundary. Travelers on the Mojave Trail visit this site which is listed as a district on the National Register of Historic Places as well as the only listed cultural

district in eastern San Bernardino County. The riparian vegetation of the area provides scenic contrast and variety and is important to wildlife. Because of the need to manage and protect these outstanding natural and cultural values, Piute Creek was designated an Area of Critical Environmental Concern (ACEC) in the CDCA Plan.

Special Designations/Management Plan/Date: NEMO Plan Amendment 2002

Relevance and Importance Criteria: This area is a critical portion of the Piute Valley Tortoise Management area which provides examples of the best Desert Tortoise habitat remaining in the southern portion of the East Mojave Desert. This area provides critical tortoise habitat linkage between the Mojave National Preserve and the land managed by the BLM Las Vegas Field Office.

National Historic and Scenic Trails: This unit overlaps a portion of the Old Spanish Trail.

Recreation Area: This unit overlaps with the National Trails SRMA.

Lands with Wilderness Characteristics: This unit contains 37,757 acres of lands that would be managed to protect wilderness character under the preferred alternative. The CMAs for lands managed to protect wilderness character would also apply in those areas.

Overarching Goals: Manage area for outstanding cultural resources and in accordance with the Desert Tortoise Recovery Plan.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

Designation and Acreage by Alternative:

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	151,900	0	NA
Preferred Alternative	146,063	155,708	0	0.5%, 1%
1	97,200	156,400	0	1%
2	156,400	156,400	0	0.5%, 1%
3	143,400	156,400	0	0.5%, 1%
4	107,600	156,400	0	0.5%, 1%

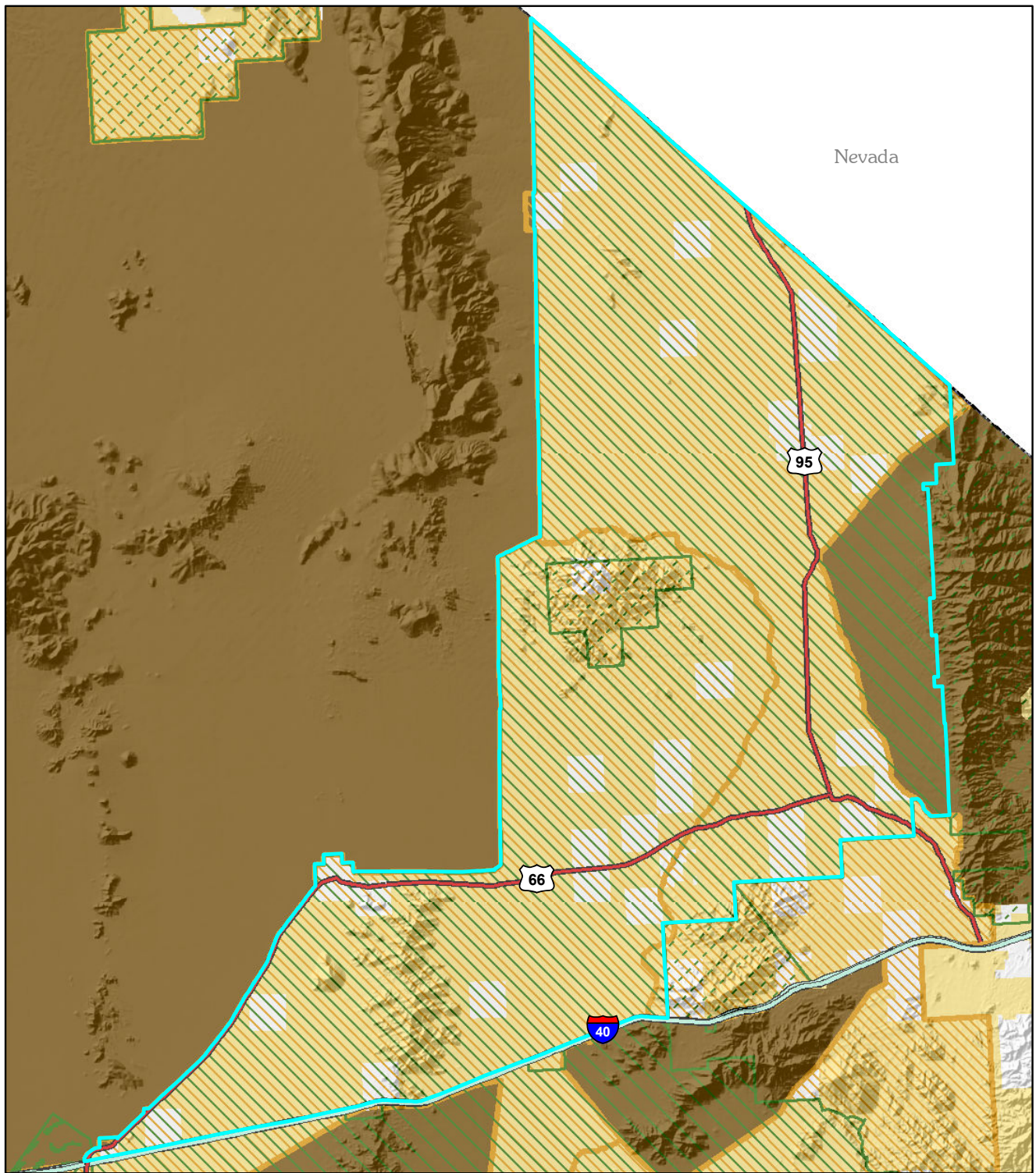
*** Acreage values are for BLM managed lands**

All Action Alternatives- The portion of this area that overlaps with the Dead Mountain Wilderness would be removed from this ACEC. The portion of this ACEC that is identified as being part of the Patton Camps would be removed from this ACEC. These actions will remove dual designations; these areas will still remain protected under a single protective designation. An area within this ACEC had been originally excluded because it was deemed not tortoise habitat. This area contains a unique plant assemblage (ocotillo) and will be added to this ACEC.

Objectives (desired future condition)/Allowable Uses/Management Actions	Resource
Unusual Plant Assemblages: Piute Valley Smoke Tree Assemblage Playa milk-vetch (<i>Astragalus allochrous</i> var. <i>playanus</i>) [CNPS 2.2] Howe's hedgehog cactus (<i>Echinocereus engelmannii</i> var. <i>howei</i>) [CNPS 1B.1] BLM Sensitive Species Emory's crucifixion-thorn (<i>Castela emoryi</i>) [CNPS 2.3] Spiny-hair blazing star (<i>Mentzelia tricuspis</i>) [CNPS 2.1] Ocotillo Action: Prohibit the collection of any live vegetation and/or dead and down material.	Vegetation (incl. special status species)
Special Status Species: Desert Tortoise Species of Concern: Summer Tanager Management Action: Management habitat for tortoise recovery.	Fish and Wildlife (incl. special status species)

<p>Goal: Provide for the use of a designated system of Ground Transportation Linear Features to ensure access to the public for appropriate uses.</p> <p>Action:</p> <ul style="list-style-type: none"> • All legal open roads and trails will be signed including road or trail number/name. All roads and trails identified as closed will be rehabilitated/restored. • Restore all undesignated roads or trails. • Provide routine maintenance of the designated roads and trails system including installation of routine signs, markers, cairns, culverts, ditches, water bars, barriers, gates, or cattle guards on/or adjacent to system roads and trails. • All DWMA lands bordering Interstate freeways and major highways shall be fenced. Portals need to be developed to accommodate route network. 	<p>Trails and Travel Management</p>
<p>Refer to the National Trails Special Recreation Management Area (SRMA) write-up for detailed objectives, allocations, and management direction.</p> <p>Goal: Manage recreation consistent with established conservation goals, while providing a broad range of recreation opportunities and to ensure public health and safety;</p> <p>Action:</p> <ul style="list-style-type: none"> • Provide interpretive, directional, and regulatory signs and materials as necessary to provide public information and reduce impacts from recreational use. • Allow stopping and parking within 25 feet, and camping within 100 feet of designated routes. • Manage recreational shooting consistent with state and local laws. • Allow SRP events which do not negatively affect ACEC Relevance and Importance Values. • Issuance of Special Recreation Permits for day use or overnight use up to 14 consecutive nights; that impact no more than 3 staging area acres; and/or for recreational travel along roads and trails designated open in the land use or accompanying activity level plans. 	<p>Recreation</p>
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	<p>Land Tenure</p>




<p>Objective: Protect resource values of the ACEC</p> <p>Management Action: Land use authorization proposals (new, renewal, and amendment) will be analyzed on a case-by-case basis to assess whether they are compatible with the ACEC and its management goals.</p>	Rights of Way
<p>No development</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy

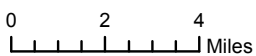


Conservation Footprint

- | | | |
|---|--|---|
|  Legislatively & Legally Protected Areas |  DRECP Boundary | Land Status |
|  National Conservation Lands |  CDCA Boundary |  Bureau of Land Management |

ACEC Boundaries

-  0.1% Disturbance Cap
-  0.5% Disturbance Cap
-  1% Disturbance Cap

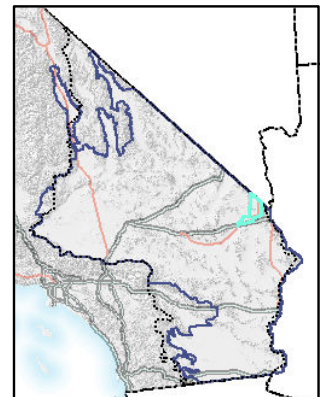


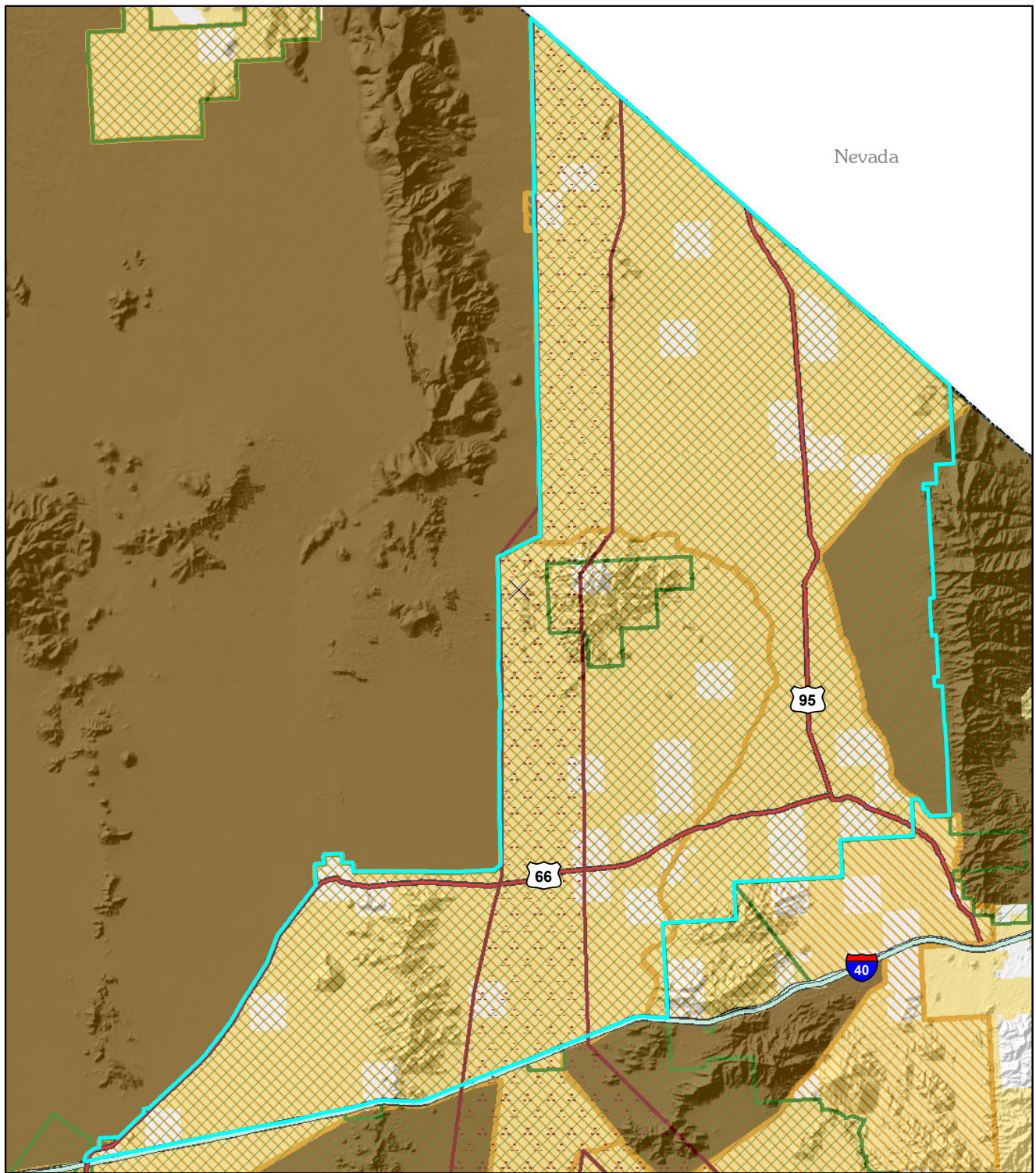
Piute-Fenner

6/25/2015



Draft Map Boundaries Subject to Change





Conservation Footprint

- | | | |
|---|-----------------------|---|
| Legislatively & Legally Protected Areas | DRECP Boundary | Land Status
Bureau of Land Management |
| National Conservation Lands | CDCA Boundary | |
| Proposed ACEC | Transmission Corridor | |

0 2 4
Miles



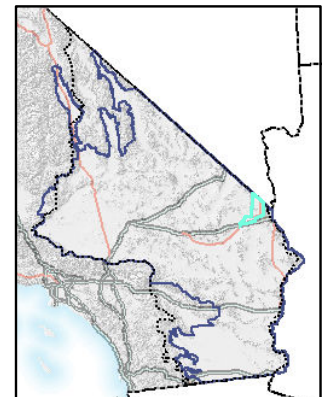
Piute-Fenner

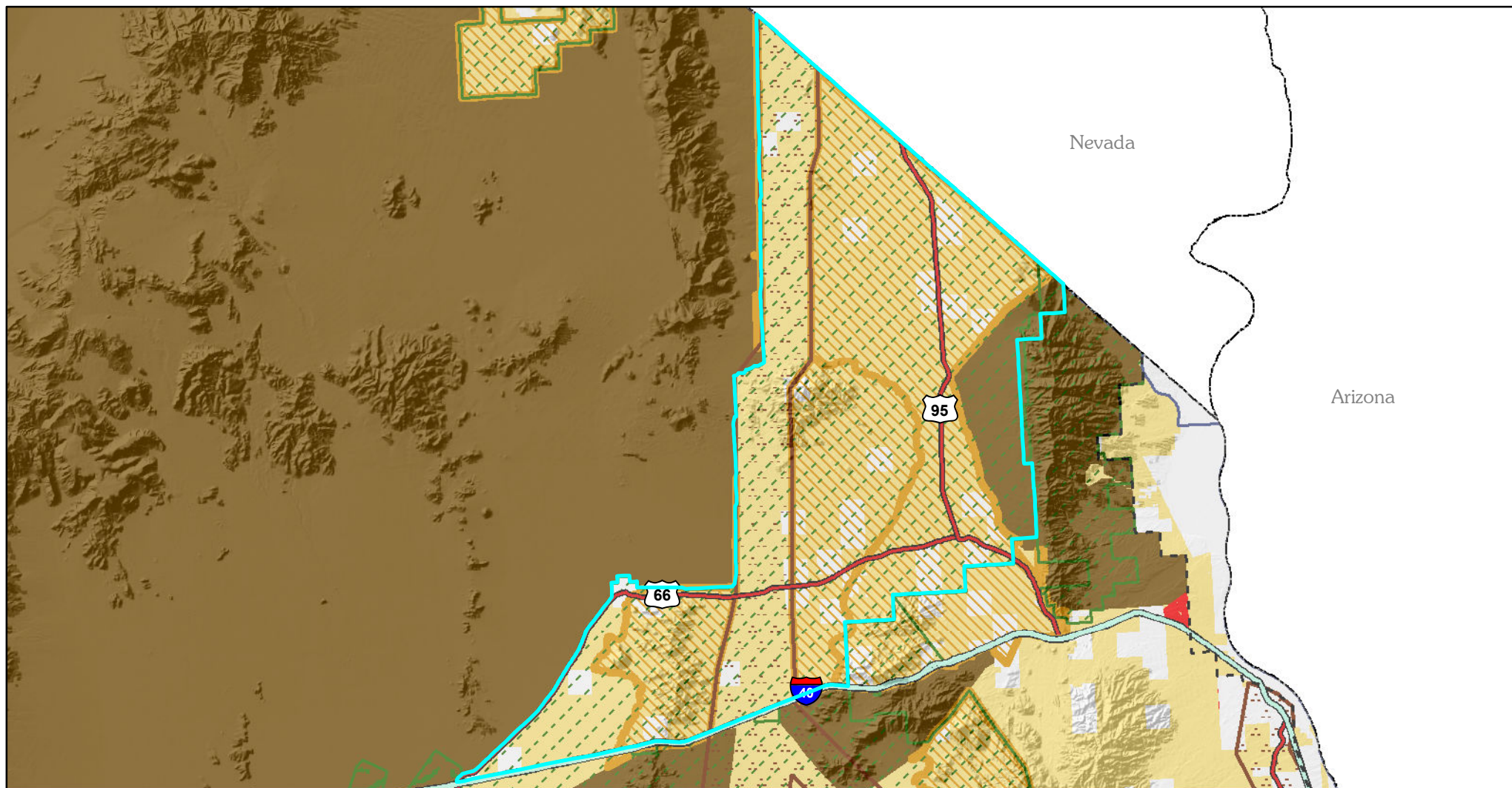
7/14/2015





Draft Map Boundaries Subject to Change

1116










Conservation Footprint


-  Legislatively & Legally Protected Areas
-  National Conservation Lands

ACEC Boundaries


-  0.1% Disturbance Cap
-  1% Disturbance Cap

-  DRECP Boundary
-  CDCA Boundary
-  Transmission Corridor

Renewable Footprint

-  Variance Lands

Land Status

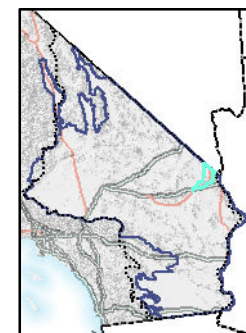
-  Bureau of Land Management

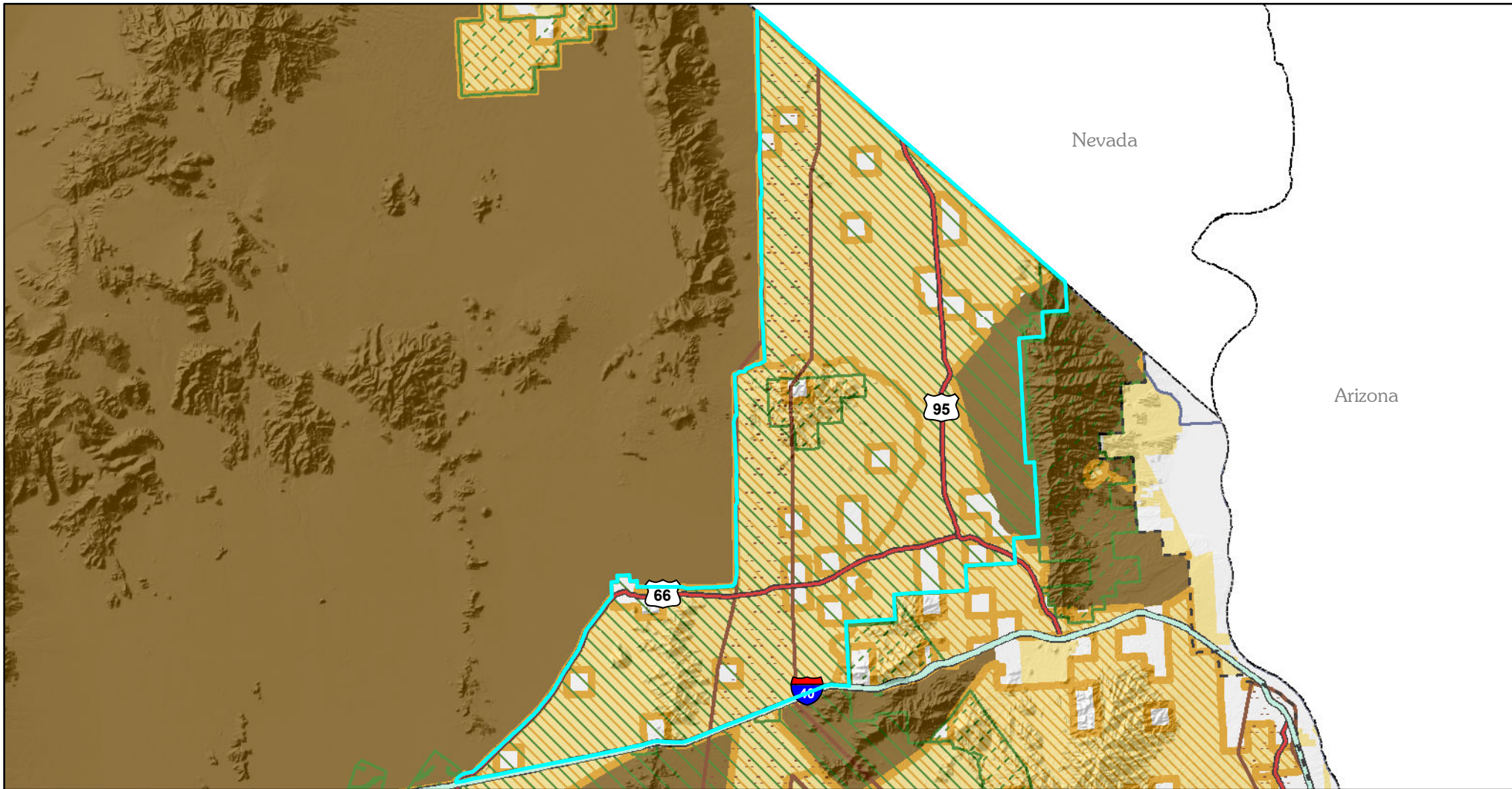
0 4 8
Miles

Piute-Fenner Alternative 1

8/25/2015


Draft Map Boundaries Subject to Change





Conservation Footprint


 Legislatively & Legally Protected Areas

 National Conservation Lands

ACEC Boundaries

 0.1% Disturbance Cap

 0.5% Disturbance Cap

 1% Disturbance Cap

 DRECP Boundary

 CDCA Boundary

 Transmission Corridor

Land Status

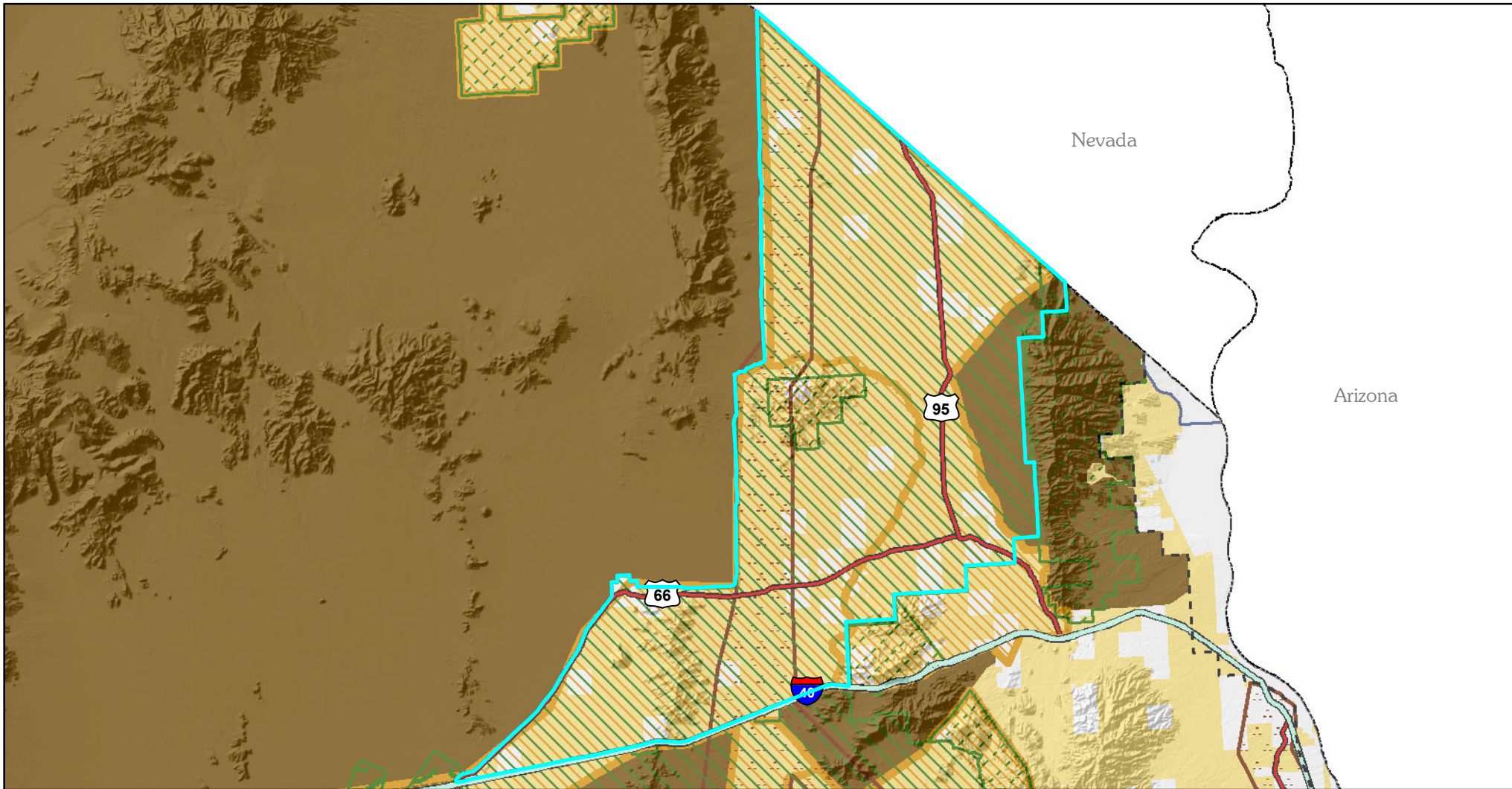
 Bureau of Land Management

Piute-Fenner Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

Legislatively & Legally Protected Areas

National Conservation Lands

ACEC Boundaries

0.1% Disturbance Cap

0.5% Disturbance Cap

1% Disturbance Cap

0 2 4
Miles

DRECP Boundary

CDCA Boundary

Transmission Corridor

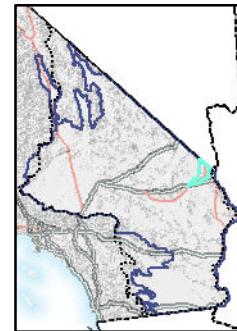
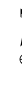
Land Status

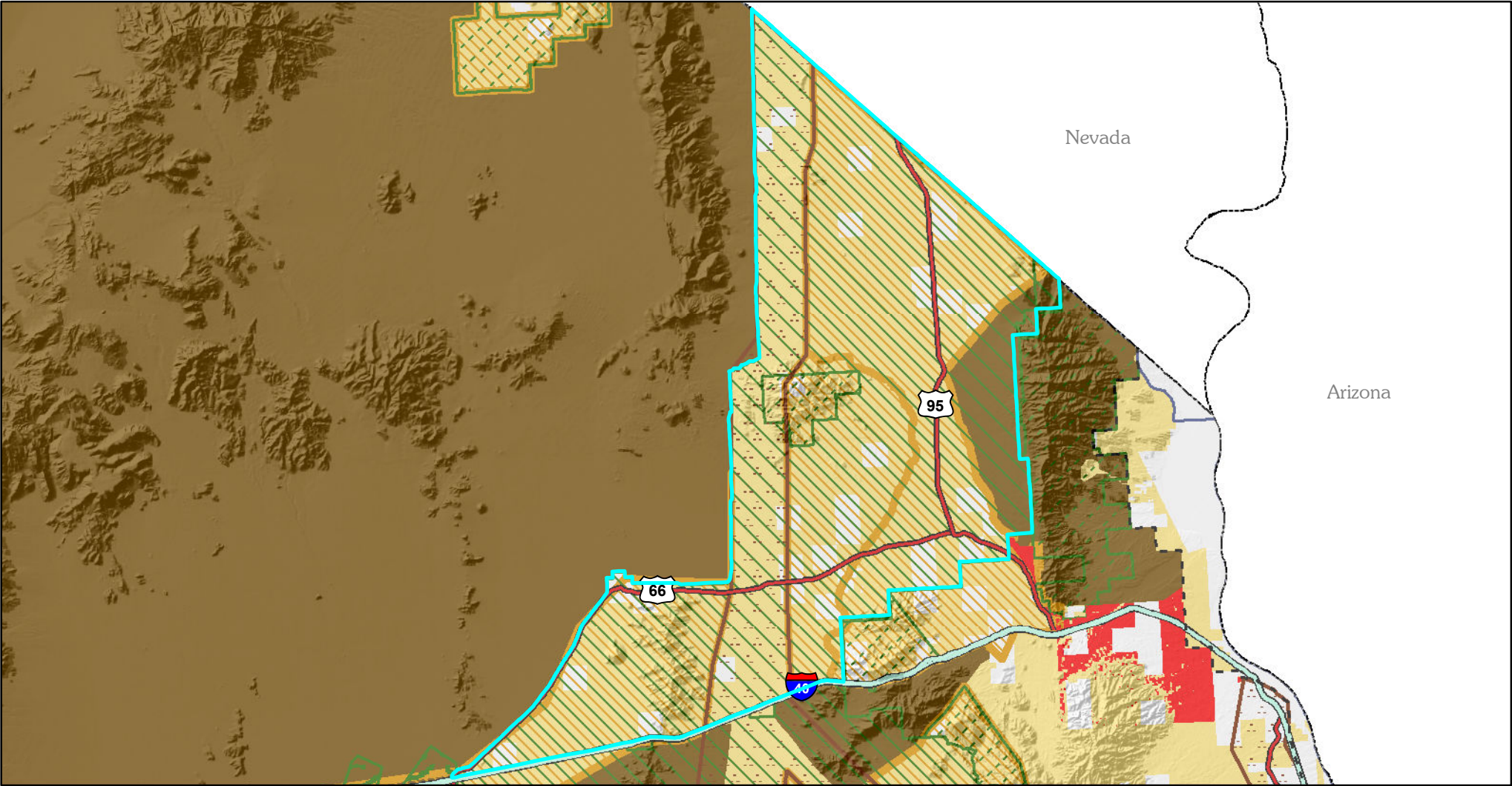
Bureau of Land Management

Piute-Fenner Alternative 3

8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

- Legislatively & Legally Protected Areas
- National Conservation Lands

ACEC Boundaries

- 0.1% Disturbance Cap
- 0.5% Disturbance Cap
- 1% Disturbance Cap

0 2 4
Miles

- DRECP Boundary
- CDCA Boundary
- Transmission Corridor

Renewable Footprint

- Variance Lands

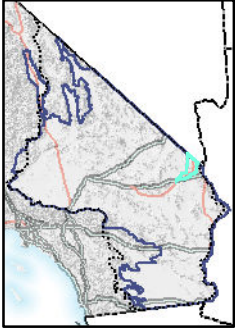
Land Status

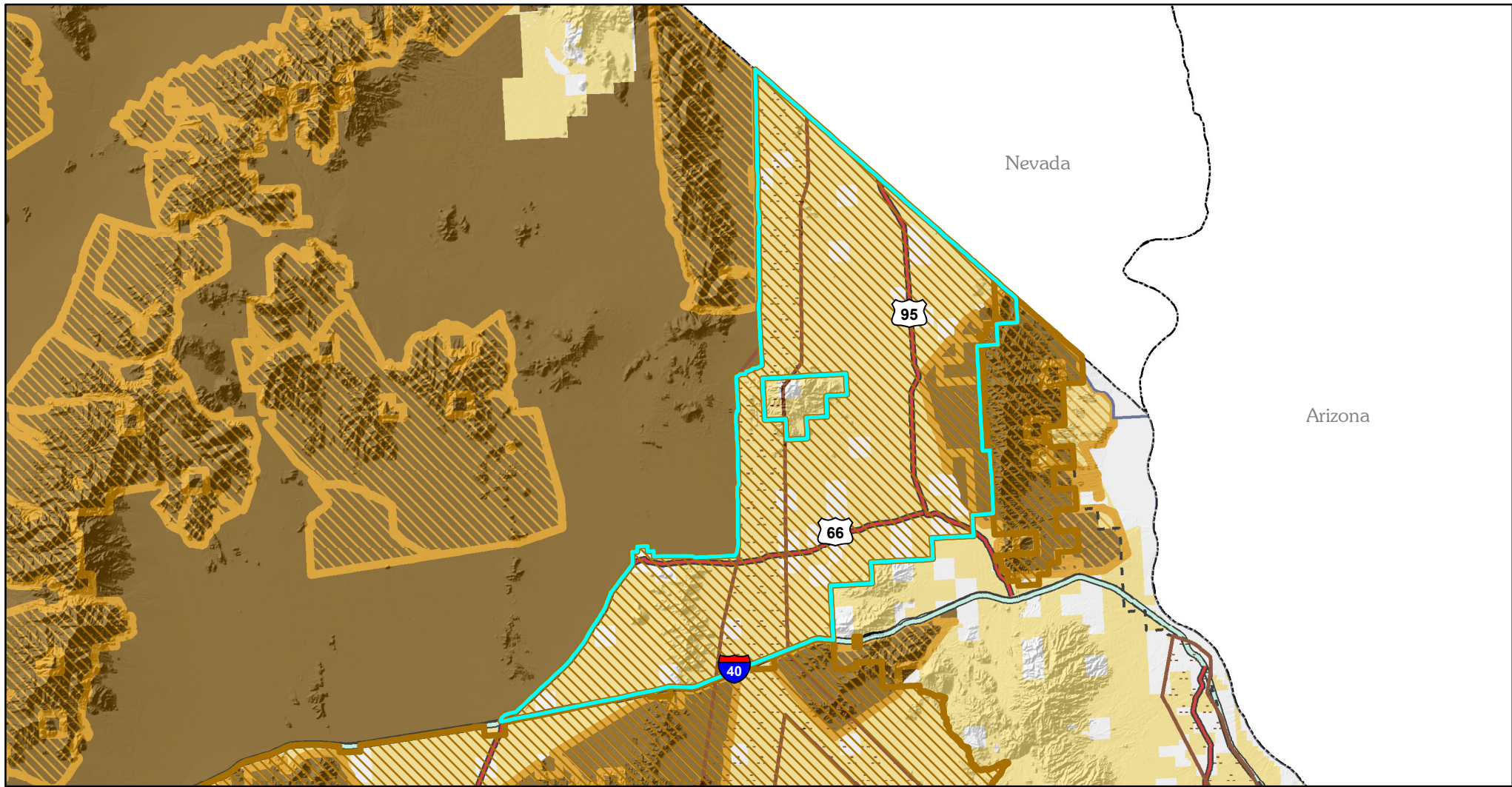
- Bureau of Land Management

Piute-Fenner
Alternative 4

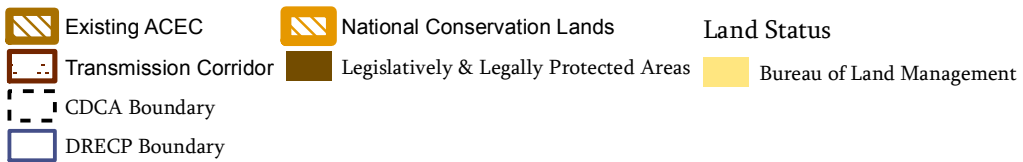
8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

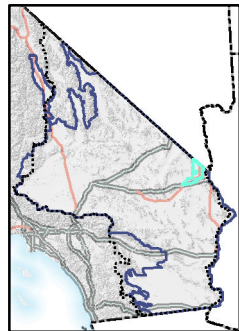
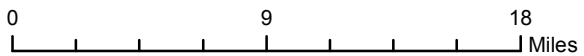


Piute-Fenner DWMA

No Action

9/15/2015

Draft Map Boundaries Subject to Change



Santos Manuel

National Conservation Lands Ecoregion: Pinto Lucerne Valley and Eastern Slopes; South Mojave-Amboy.

Description/Location: Connects Cleghorn Lake on the north to Pinto Mountains on the south approximately 10 miles east of Twentynine Palms.

Nationally Significant Values:

Ecological: This area provides high density Desert tortoise habitat. This area provides critical tortoise habitat linkage. This is a large block of relatively undisturbed habitat which maintains landscape level integrity.

Cultural: The site is similar to the Topok Maze site near Needles California and is an example of an extremely rare site type. This site meets criteria for eligibility for the National Register of Historic Places. Native Americans have determined this area of high significance to maintain the cultural landscape. This area is in close proximity to the Pinto Basin which is within Joshua Tree National Park and is great importance archaeologically to the prehistory of the area. This area has many historic mining districts including the Dale and New Dale mining districts.

Special Designations/Management Plan/Date: No previous special designation.

Relevance and Importance Criteria: Recently an important archaeological site has been discovered in the area. The site is similar to the Topok Maze site near Needles CA and is an example of an extremely rare site type. This site meets criteria for eligibility to the National Register of Historic Places. The James Ramos, Tribal Chairman from San Manuel requested of the Barstow Field Manager that this area be listed as a cultural ACEC to protect the site and cultural landscape. This area is in close proximity to the Pinto Basin which is within Joshua Tree National Park and is of great importance archaeologically to the prehistory of the area. Historically this area has many historic mining districts within the area such as the Dale and New Dale mining districts.

Overarching Goals: Protect culturally significant area identified by San Manuel Band of Mission Indians.

Where the CMAs in this Special Management Plan conflict from the CMAs included in Volume II of the Proposed LUPA and Final EIS, the more restrictive CMA would be applied (i.e. management that best supports resource conservation and limits impacts to the values for which the conservation unit was designated), unless otherwise specified.

If this area is included in the National Conservation Lands, the BLM will manage this area to protect the Nationally Significant Values above. Appropriate multiple uses will be allowed, consistent with this Special Unit Management Plan and the CMAs in Volume II. If an activity is not specifically covered by the CMAs, it will be allowed if it is consistent with the Nationally Significant Values, but prohibited if the uses conflict with those values.

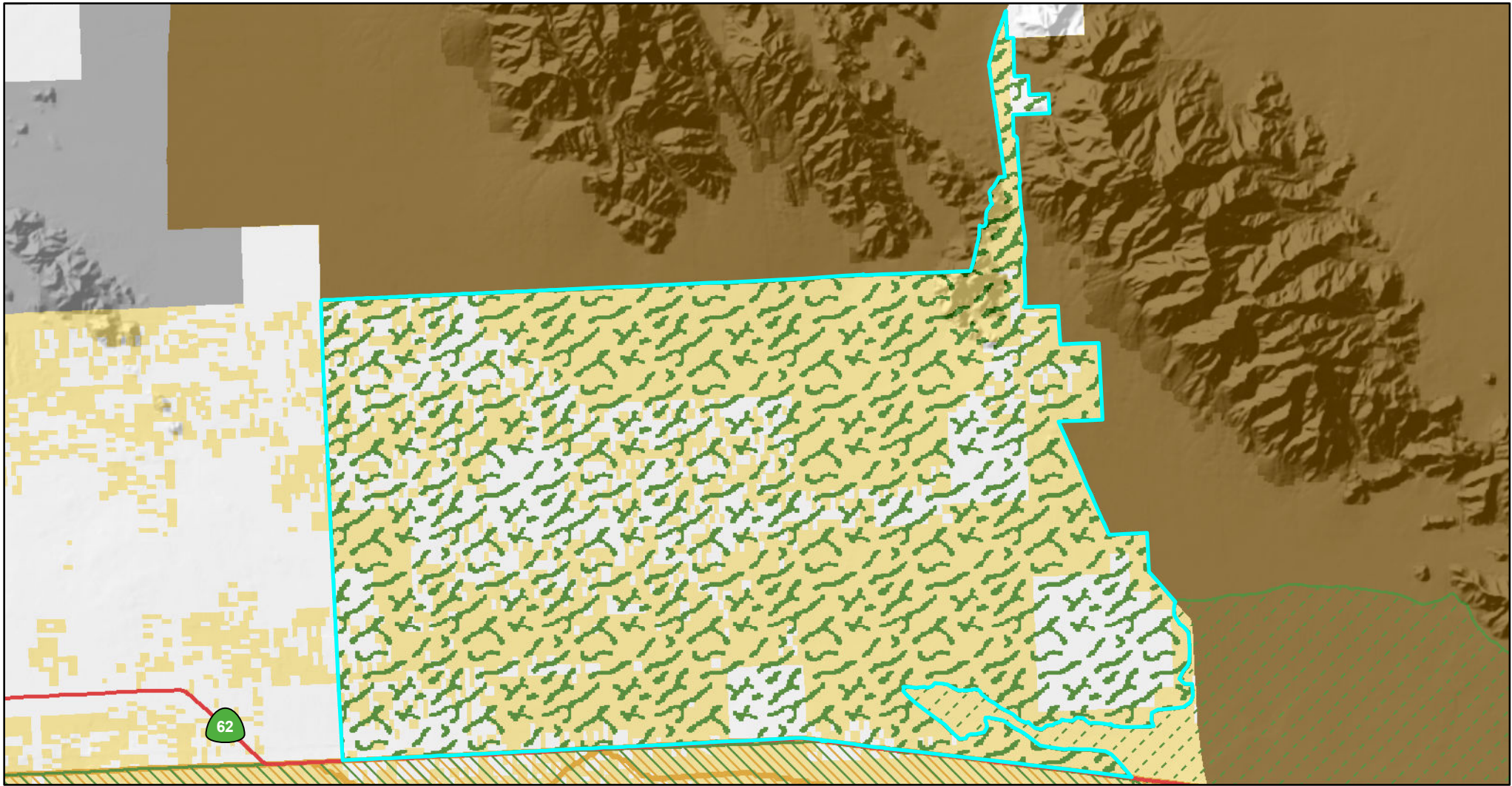
Designation and Acreage by Alternative:

Alternative	BLM Acres of NLCS within ACEC or Wildlife Allocation	BLM Acres within ACEC	BLM Acres within Wildlife Allocation	ACEC Disturbance Cap
No Action	0	0	0	NA
Preferred Alternative	0	27,545	0	0.10%
1	0	27,500	0	0.10%
2	27,500	27,500	0	0.10%
3	26,600	27,500	0	0.10%
4	23,100	23,900	0	0.10%

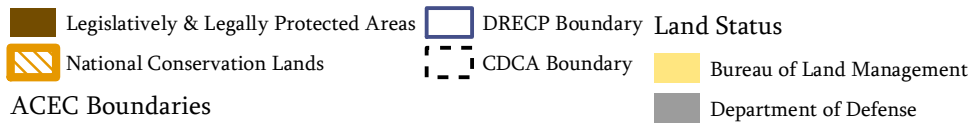
*** Acreage values are for BLM managed lands**

Objectives (desired future conditions)/Allowable Uses/Management Actions	Resource
<p>Objective: Maintain or improve condition of Desert Tortoise habitat</p> <p>Management Action: Maintain viable populations and connections between other conservation areas</p> <p>Objective: Monitor long-term trends in desert tortoise populations</p> <p>Management Action: A line distance sampling (or other scientifically credible method, if distance sampling proves ineffective) would be implemented in the Pinto Mountain DWMA</p>	Fish and Wildlife Including special status species
<p>Objective: Protect sensitive habitat from impacts associated with vehicle traffic</p> <p>Allowable Uses: All vehicle traffic limited to designated roads and trails as per the local Travel Management plan.</p> <p>Management Action 1: Establish no new routes in ACEC</p> <p>Management Action 2: Management Action: Modify the WEMO Route Network to reflect open routes through the ACEC and close other existing unauthorized routes</p>	Trails and Travel Management
<p>Objective: Inform the public of the importance of the ACEC</p> <p>Management Action: Install interpretive signs at access points to the ACEC,</p>	Recreation

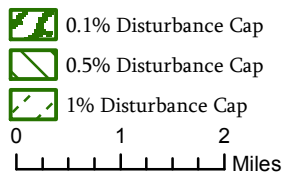
conduct public education efforts concerning OHV use in the desert.	
<p>Objective: Consolidate through tenure adjustment.</p> <p>Management Action: Acquire inholdings, edgeholdings and other interests from willing sellers.</p>	Land Tenure
<p>Objective: Maintain wildlife linkage and protect desert tortoise critical habitat</p> <p>Allowable Uses: Right-of-Way exclusion area</p>	Rights of Way (ROW)
<p>No development</p> <p>Objective: Maintain integrity of large blocks of habitat</p> <p>Allowable Uses: Not an allowable use. Renewable energy development is not compatible with NLCS and ACEC unit values and criteria</p> <p>Geothermal: ACECs are closed to geothermal leasing and development unless they overlap with a DFA where geothermal is allowed. Where there is overlap, ACECs are open to geothermal leasing with an NSO stipulation.</p>	Renewable Energy



Conservation Footprint



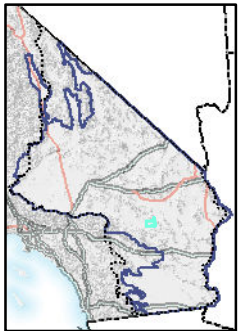
ACEC Boundaries

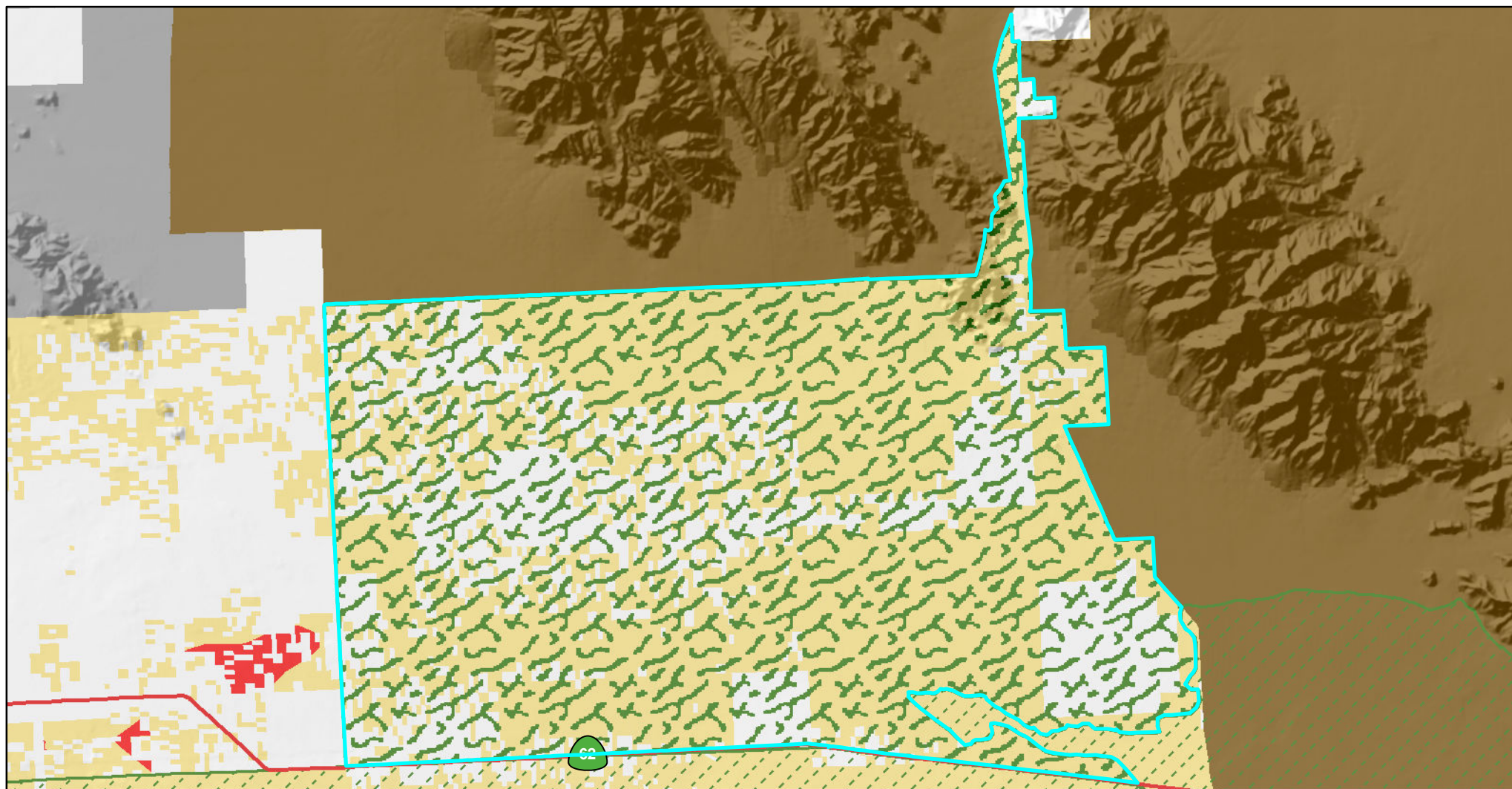


Santos Manuel

6/24/2015

Draft Map Boundaries Subject to Change





Conservation Footprint

- | | | |
|---|----------------------------|---------------------------|
| Legislatively & Legally Protected Areas | DRECP Boundary | Land Status |
| ACEC Boundaries | CDCA Boundary | Bureau of Land Management |
| 0.1% Disturbance Cap | Renewable Footprint | Department of Defense |
| 1% Disturbance Cap | Variance Lands | |

0 1 2
Miles

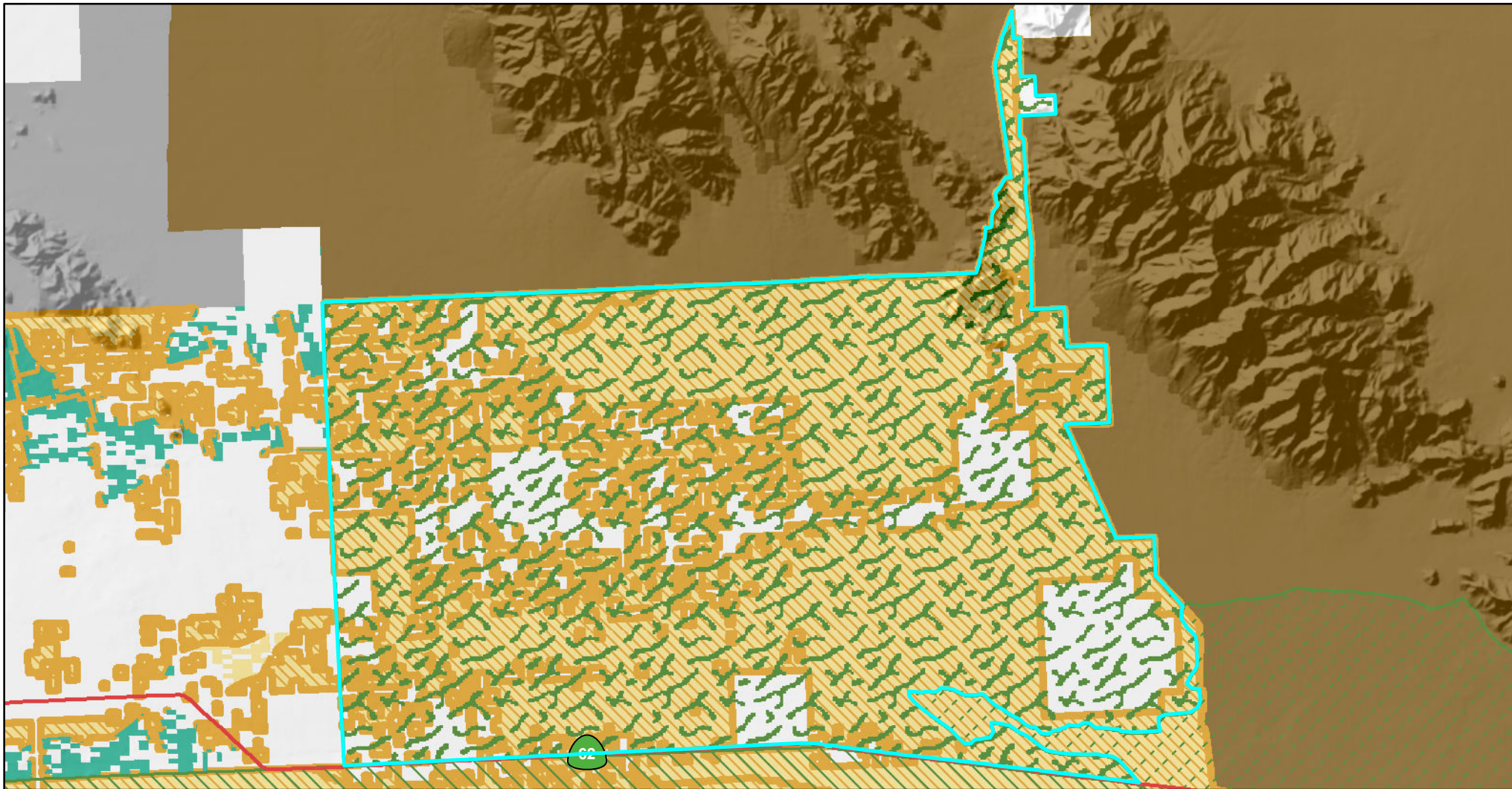
Santos Manuel

Alternative 1

8/25/2015


Draft Map Boundaries Subject to Change





Conservation Footprint


 Legislatively & Legally Protected Areas

 National Conservation Lands

ACEC Boundaries

 0.1% Disturbance Cap

 0.5% Disturbance Cap

 1% Disturbance Cap

0 1 2
Miles

 DRECP Boundary


 CDCA Boundary

Renewable Footprint

 Future Assessment Areas

Land Status

 Bureau of Land Management

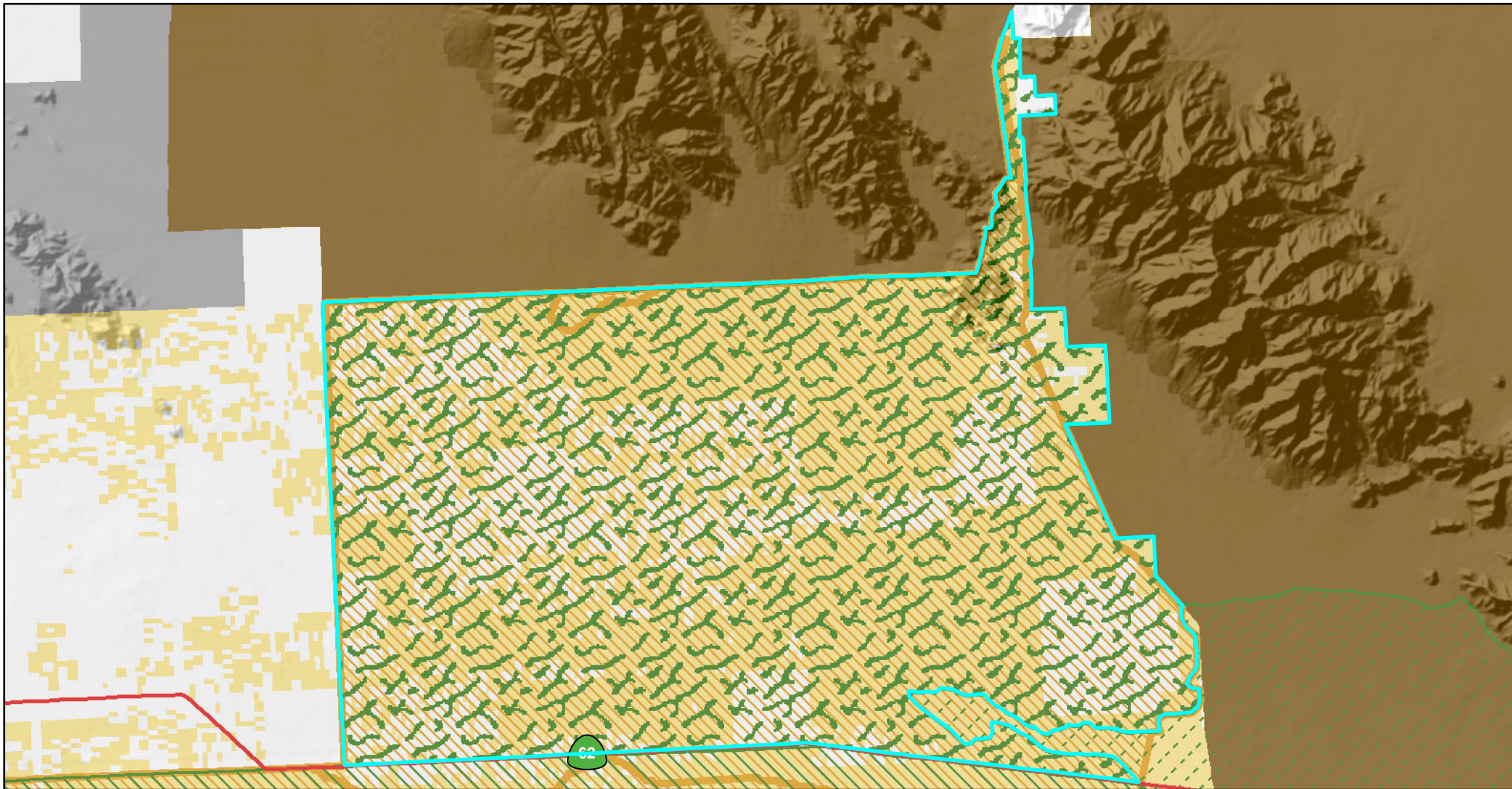
 Department of Defense

Santos Manuel Alternative 2

8/26/2015

Draft Map Boundaries Subject to Change

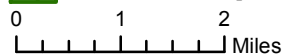
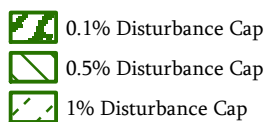




Conservation Footprint



ACEC Boundaries

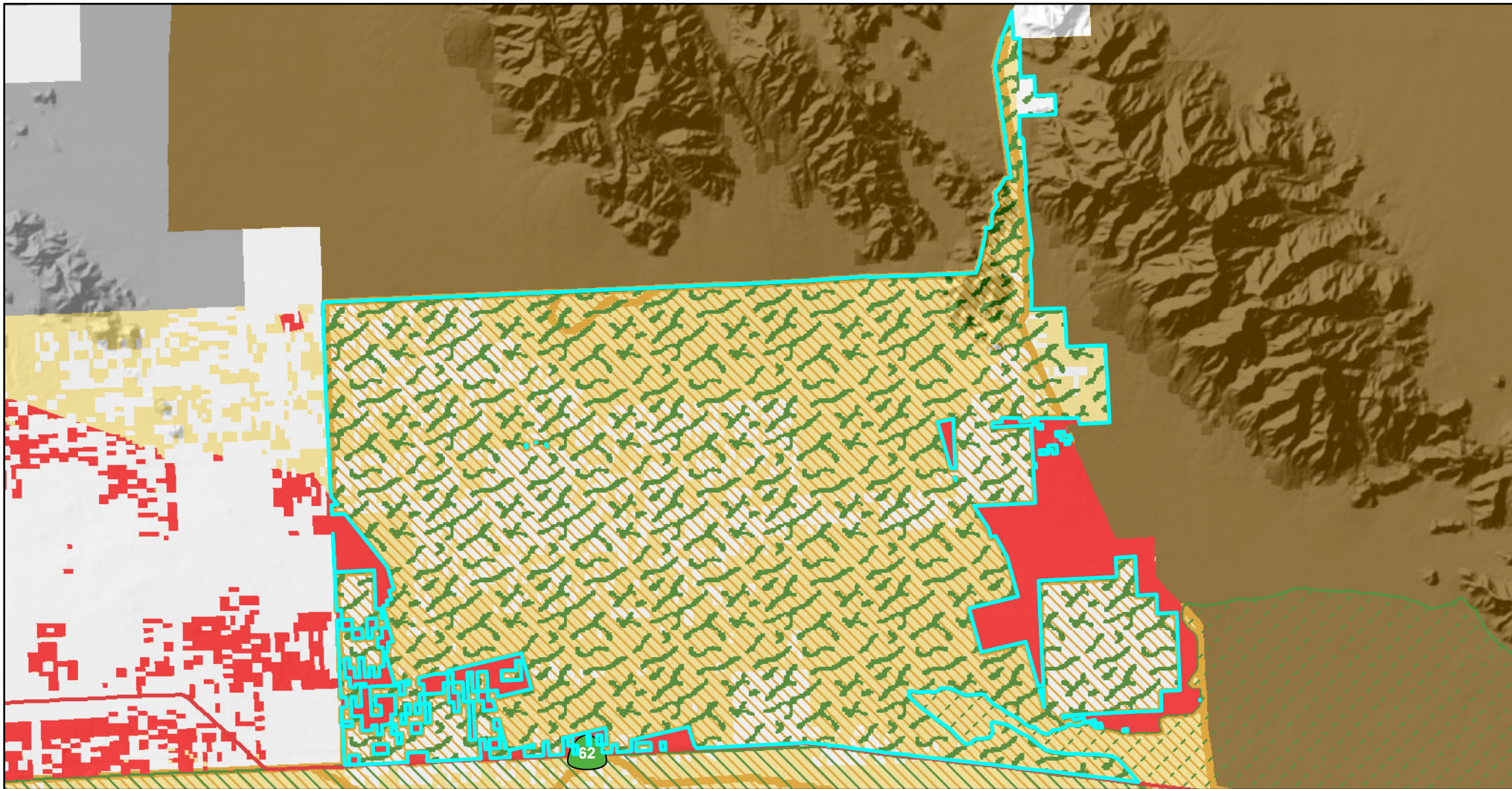


Santos Manuel Alternative 3

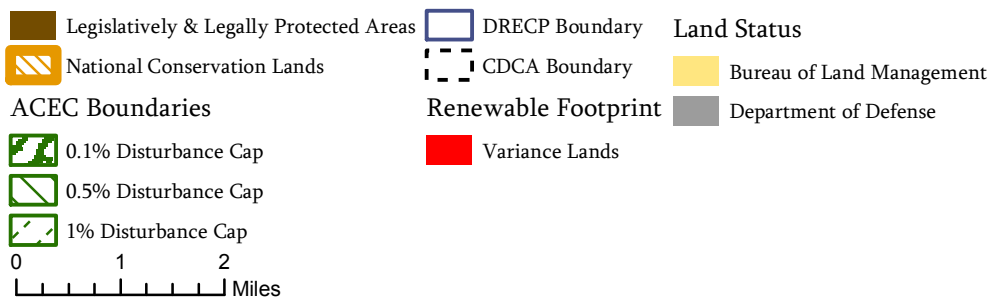
8/27/2015

Draft Map Boundaries Subject to Change





Conservation Footprint



Santos Manuel Alternative 4

8/27/2015

Draft Map Boundaries Subject to Change

